

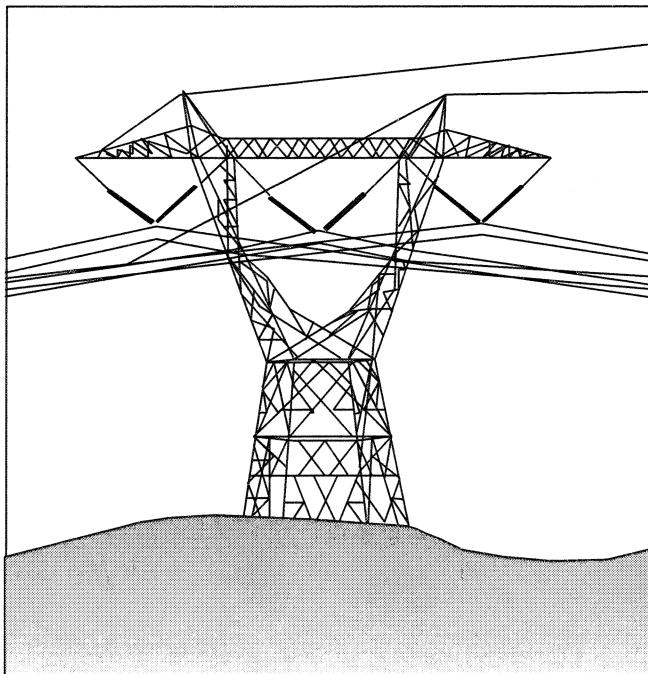
BONNEVILLE POWER ADMINISTRATION  
TRANSMISSION BUSINESS LINE

# 2004 FINAL TRANSMISSION PROPOSAL

ADMINISTRATOR'S RECORD OF DECISION

STATEMENTS A-F

TR-04-FS-BPA-02



MAY 2003



## **STATEMENTS A - F**

**Prepared by**

**Bonneville Power Administration**

**U.S. Department of Energy**

**MAY 2003**

**TR-04-FS-BPA-02**

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## **INTRODUCTION**

Pursuant to section 300.11 of the Federal Energy Regulatory Commission's (FERC) regulations, 18 C.F.R. 300.11, the Bonneville Power Administration (BPA) submits Statements A-F as technical support for BPA's 2004 Transmission Rate filing.

Each statement is preceded by an introductory discussion describing the information provided in that statement. The 5-year historical period is from FYs 1998-2002. The projected data contained in Statements A-F were used in the development of BPA's 2004 Transmission Rate filing cost evaluation period, FYs 2003-2005. The rate test period is FYs 2004-2005.

Statement A: No format changes.

Statement B: No Statement B included as this is a Transmission rate filing only.

Statement C: Key Database and Repayment Assumption Changes:  
Statement C no longer identified whether capital investments are initial investments or additions.

Statement D: No format changes.

Statement E: No format changes.

Statement F: No Statement F included as this is a Transmission rate filing only.

**STATEMENT A**

## STATEMENT A

### INTRODUCTION

The requirements for Statement A are as follows:

(1) Statement A--Sales and Revenues. Statement A must include:

- (i) Sales and revenues for each rate schedule for the last 5 years of the historical period, as defined in section 300.1(b)(3);
- (ii) For the rate test period, the estimated annual sales and revenues for the existing and each proposed rate schedule, including a separate aggregation of any revenues from sources not covered by the rate schedule according to general classifications of such revenues; and
- (iii) Brief explanations of how sales and revenue estimates are prepared and explanations of any changes in sales or revenues during the last 5 years of the historical period.

18 C.F.R. 300.11(b)(1).

This Statement A is shown on two tables. Table A-1 contains sales data for the historical period and forecasts for the cost evaluation period under Transmission and Ancillary Services rate schedules. The historical period is FY 1998 through FY 2002. The forecast for the cost evaluation period runs from FY 2003 through FY 2005. Table A-2 shows Transmission and Ancillary Services revenues for this same time period. Revenues for FYs 2004 and 2005 are shown under current and proposed rate levels.

### Transmission Sales: Historical Period

The top half of Table A-1 displays sales from FY 1998 through FY 2002 (October 1997 through September 2002). Transmission system sales increased by 10 percent between FY 1998 and FY 2002: Network sales increased by 5 percent and Southern Intertie sales increased 45 percent. *See Table A-1, Lines 12-14.* Hydrological conditions in the Pacific Northwest and Canada, the energy crisis in California, load growth, and deregulation are some of the major factors that affected the use of the transmission system.

### Transmission Sales: Forecast

The transmission sales forecast shown on the bottom half of Table A-1 is determined by first examining contracts for long-term transmission service. Pending Point-to-Point contracts deemed likely to be executed are added to existing contracts that extend into the future. Expiring contracts are modeled case-by-case as either replaced in kind or by another transmission product, or allowed to terminate. Short-term transmission business is modeled

as a function of long-term contract demand transmission service. The long-term open access Network Transmission (NT) service is billed on monthly-metered quantities rather than annual contract demand. Forecasts of NT sales are based on trends from recent history, or NT customers' own load forecasts. Forecasts of Utility Delivery sales (Line 24) are also based on trends from recent history. These latter sales have fallen dramatically with the sale of many delivery facilities providing service at less than 34.5 kV.

### Transmission Revenues

Table A-2 shows transmission revenues from the sales in Table A-1 and from other sources not involving volumetric uses of the system. Revenues vary due to changes in uses of the system, rate levels, and to some extent, changes in rate design. The 13 percent increase from FY 2000 to FY 2001 is due almost entirely to increased transmission sales on the Southern Intertie because of the California energy crisis. The 11 percent increase from FY 2001 to FY 2002 is due in large part to the rate increase for FY 2002 transmission rates.

Columns F through H of the revenue forecast are estimates of revenues for FY 2003 through FY 2005 under the current transmission rates. The last two columns (I and J) are estimates of revenue for FY 2004 and FY 2005, applying the proposed 2004 transmission rates to forecast sales.

**Table A-1**  
**Summary of Transmission Sales under General Transmission Rate Schedules**  
**FY1998 - FY2005**

### History

Service	Note	Tx Rate Schedule	Sales Units	(A) FY 1998	(B) FY 1999	(C) FY 2000	(D) FY 2001	(E) FY 2002
1 Network Transmission		NT	MW-mo	33,840	35,047	36,173	39,409	60,416
2 Network Transmission Power	<sup>2/</sup>	NTP	MW-mo	12,665	12,346	11,144	16,401	-
3 Point to Point Long-term and Short-term		PTP	MW-mo	167,833	171,385	156,113	170,124	193,579
4 Energy Transmission/PTP hourly		ET/PTP	aMW-mo	6,079	6,604	11,833	17,418	9,122
5 Formula Power Transmission	<sup>1/</sup>	FPT	MW-mo	50,317	46,730	47,775	43,712	37,233
6 Integration of Resources		IR	MW-mo	60,583	60,067	57,496	56,672	55,151
7 Southern Intertie Long-term and Short-term		IS	MW-mo	47,580	46,798	55,299	87,777	69,766
8 Southern Intertie hourly		IS	aMW-mo	748	1,962	2,439	4,034	496
9 Townsend Garrison Transmission		TGT	MW-mo	22,080	22,080	17,958	17,958	17,958
10 Utility Delivery Charge			MW-mo	22,224	19,145	11,477	9,211	5,416
11 Columbia Storage Power Exchange Trans.		CSPE	MW-mo	8,035	5,628	2,379	2,273	2,150
<b>12 Network</b>			<b>MW-mo</b>	<b>339,352</b>	<b>337,807</b>	<b>322,913</b>	<b>346,009</b>	<b>357,651</b>
<b>13 Southern Intertie</b>			<b>MW-mo</b>	<b>48,329</b>	<b>48,760</b>	<b>57,738</b>	<b>91,811</b>	<b>70,262</b>
<b>14 Network and Intertie</b>			<b>MW-mo</b>	<b>387,680</b>	<b>386,568</b>	<b>380,651</b>	<b>437,820</b>	<b>427,913</b>

### Forecast

Service	Note	Tx Rate Schedule	Sales Units	(F) FY 2003	(G) FY 2004	(H) FY 2005
15 Network Transmission		NT	MW-mo	58,835	60,276	61,721
16 Point to Point, annual		PTP	MW-mo	171,297	188,630	195,719
17 Point to Point, Short-term		PTP	MW-mo	872	11,508	14,436
18 Point to Point, hourly		PTP	aMW-mo	6,377	11,220	14,328
19 Formula Power Transmission	<sup>1/</sup>	FPT	MW-mo	39,398	39,072	36,528
20 Integration of Resources		IR	MW-mo	55,023	55,023	55,023
21 Southern Intertie Long-term and Short-term		IS	MW-mo	58,616	69,182	74,063
22 Southern Intertie hourly		IS	aMW-mo	913	708	1,236
23 Townsend Garrison Transmission		TGT	MW-mo	17,877	17,958	17,958
24 Utility Delivery Charge			MW-mo	3,765	2,832	2,883
25 Columbia Storage Power Exchange Trans.	<sup>3/</sup>	CSPE	MW-mo	1,034		
<b>26 Network</b>			<b>MW-mo</b>	<b>332,836</b>	<b>365,729</b>	<b>377,755</b>
<b>27 Southern Intertie</b>			<b>MW-mo</b>	<b>59,529</b>	<b>69,890</b>	<b>75,299</b>
<b>28 Network and Intertie</b>			<b>MW-mo</b>	<b>392,365</b>	<b>435,619</b>	<b>453,054</b>

<sup>1/</sup> FPT has eight components, two of which are mileage based.

<sup>2/</sup> Discontinued in FY 2002

<sup>3/</sup> Expired 4/1/2003

**Table A-2**  
**Summary of Transmission Revenues under Historical, Current, and Proposed Transmission Rates**  
**FY1998 - FY2005**  
**( $\$$ 000)**

<b>History</b>	<b>Tx Rate Schedule</b>	<b>Superseded Rate Levels</b>				<b>Current Rates</b>
		<b>(A) FY 1998</b>	<b>(B) FY 1999</b>	<b>(C) FY 2000</b>	<b>(D) FY 2001</b>	
		<b>/-----/</b>				<b>(E) FY 2002</b>
Service						
1 Network Transmission	NT	52,580	57,595	58,223	63,219	87,632
2 Network Transmission, PBL Power only	NTP	20,661	20,283	19,207	25,465	965
3 Point to Point Long-term and Short-term	PTP	171,116	172,343	164,394	167,631	194,463
4 Energy Transmission/PTP hourly	ET/PTP	11,183	12,149	23,217	27,149	19,977
5 Formula Power Transmission	FPT	35,934	33,373	33,988	30,523	35,186
6 Integration of Resources	IR	60,583	60,067	54,167	54,920	68,562
7 Southern Intertie	IS	54,676	63,820	71,498	115,914	92,612
8 Townsend Garrison Transmission	TGT	9,808	9,726	9,848	9,837	9,820
9 Utility Delivery Charge		16,668	14,359	8,608	6,854	5,047
10 Use of Facilities Transmission	UFT	18,141	18,156	17,655	14,404	13,920
11 Generation Integration		13,439	14,425	14,270	14,274	7,440
12 Reimbursable		12,680	7,074	10,221	12,289	10,202
13 Col. Stor. Pwr Exch. & SupCap Trans.	CSPE	1,004	703	268	284	269
14 Ancillary Services <sup>1/</sup>	APS/ACS	28,589	28,739	38,163	56,453	136,773
15 Other <sup>2/</sup>		32,863	39,322	49,949	47,432	37,499
16 Total Transmission Revenue		<b>539,925</b>	<b>552,134</b>	<b>573,676</b>	<b>646,648</b>	<b>720,367</b>

<b>Forecast</b>	<b>Tx Rate Schedule</b>	<b>Current Rates</b>			<b>Proposed Rates</b>	
		<b>(F) FY 2003</b>	<b>(G) FY 2004</b>	<b>(H) FY 2005</b>	<b>(I) FY 2004</b>	<b>(J) FY 2005</b>
		<b>/-----/</b>			<b>/-----/</b>	
Service						
17 Network Transmission	NT	86,841	88,647	90,543	90,985	92,925
18 Point to Point Long-term and Short-term	PTP	184,628	204,368	214,888	207,549	218,263
19 Point to Point hourly	PTP	13,595	23,981	30,525	24,309	30,943
20 Formula Power Transmission	FPT	35,370	35,057	32,658	35,483	33,238
21 Integration of Resources	IR	68,393	68,393	68,393	69,383	69,383
22 Southern Intertie	IS	81,766	87,457	94,729	88,807	96,243
23 Townsend Garrison Transmission	TGT	9,796	9,840	9,840	9,840	9,840
24 Utility Delivery Charge		3,509	2,639	2,687	2,675	2,728
25 Use of Facilities Transmission	UFT	11,672	10,781	10,986	10,781	10,986
26 Generation Integration		7,235	7,235	7,235	7,235	7,235
27 Reimbursable		10,000	-	-	-	-
28 Col. Stor. Pwr Exch. & SupCap Trans.	CSPE	126	-	-	-	-
29 Ancillary Services <sup>1/</sup>	ACS	131,211	135,908	142,770	138,324	144,466
30 Other <sup>2/</sup>		33,732	29,411	18,890	28,644	18,892
31 Billing Error Adjustment		(11,233)				
32 Total Transmission Revenue		<b>666,641</b>	<b>703,717</b>	<b>724,144</b>	<b>714,015</b>	<b>735,142</b>

<sup>1/</sup> FY 1998-01 includes revenues for transmission losses, energy imbalance, control area reserves, and load regulation under APS rates. FY 2002-05 includes ancillary service and control area service revenues (ACS Rate) for (1) Scheduling, System Control, and Dispatch Service, (2) Reactive Supply and Voltage Control from Generation Resources Service, (3) Regulation and Frequency Response Service, (4) Spinning Operating Reserves, (5) Supplemental Operating Reserves, and (6) Energy/Generation Imbalance Service.

<sup>2/</sup> Includes O&M and administrative services, unauthorized increases, reactive power, O&M functionalized to generation, PNCA, reservation fee, irrigation pumping power, COB/HUB fees, fiber, wireless, Annual Costs Rate, and Remedial Action Scheme.

## **STATEMENT B**

*- NOT APPLICABLE -*

## **STATEMENT C**

## **STATEMENT C**

### **INTRODUCTION**

The requirements for Statement C appear as follows:

(3) Statement C--Capital Investments or Costs.

- (i) Statement C must account for all capitalized investments to be repaid from power revenues.
- (ii) The statement shall include a listing, by year, of the following:
  - (A) All initial investments and additions to plant, including interest during construction, that produced revenue during the historic period or are expected to produce revenue during the rate test period;
  - (B) Capitalized deferred expenses; and
  - (C) Replacements made during the historic period and replacements projected to be made during the balance of the repayment period.
- (iii) For each such investment, the statement shall specify:
  - (A) Whether the investment is an initial investment, an addition, a replacement, or a capitalized deferred annual expense; \*
  - (B) The date the investment was made;
  - (C) The year in which repayment is due to be completed;
  - (D) Whether the investment was financed through the issuance of revenue bonds, the appropriate interest rate, and the terms and conditions for such bonds; and
  - (E) The authority or administrative procedure used for the adoption of such interest rate.
- (iv) If available, the amount repaid on each investment to date must be stated, except that if repayment on individual investments is not recorded, the amount repaid to date on each group of investments having common interest rates should be stated.
- (v) For each year, the sum of unpaid individual investments or the unpaid portion of interest groups shown above must equal the unamortized investment shown in the power repayment study for that year.
- (vi) The statement must describe the methods used to forecast replacements and the price level used to estimate replacement costs.

\*Statement C requires that each investment be identified as "an initial investment, an addition, a replacement, or a capitalized deferred annual expense" [(3)(iii)(A)] to ensure that the interest rate assignment criteria specified in paragraph 11 of RA 6120.2 have been met. With the exception of capitalized deferred annual expense, this identification is no longer relevant to BPA investments. When a bond is issued to the U.S. Treasury to fund new capital investments, it is assigned an interest rate by Treasury based on its maturity and the prevailing Treasury yield curves. In addition, the BPA Appropriation Refinancing Act specified the interest rate assignment practices

for capital appropriations based on the service lives of the associated investment and the prevailing Treasury interest rates for the year in which the investment is placed in service. This Act made unnecessary the identification of the investments by the preceding criteria. As a result, BPA no longer makes these identifications in accounting records and has omitted them in Statement C.

Statement C provides a listing of all capitalized investments assigned to be repaid to the U. S. Treasury from transmission revenues. Statement C reports the investment data by project, by in-service year, and by interest rate. Totals are provided for each in-service year as well as for total historical investments and total projected investments.

Statement C reflects all principal outstanding as of September 30, 2002. It also includes future transmission investments and replacements as required under RA 6120.2, paragraph 10.1, investments funded by appropriations, and by bonds that are projected to be issued to Treasury during the FY 2003 - 2005 cost evaluation period.

Column A details the Federal investment by project. For each in-service year, the total amount of each investment and the amount amortized on each investment are reported. Column B shows the date the investment is placed in service. Column C displays the interest rate associated with each investment. Column D shows the year in which repayment was or is due to be completed. Column E displays the term (in years) over which the investment is financed. (Where BPA issues bonds to the U.S. Treasury to finance FCRTS investment, the maturity date of the bond may be earlier than the allowable repayment period of the investment.) Column F displays the total capitalized amount of each investment related to a particular project. Column G identifies the amount of investment amortized as of the end of FY 2002. Column H shows the amount of investment refinanced as of the end of FY 2002. Column I shows the unpaid investment outstanding as of the end of FY 2002. Column J indicates whether a particular investment is an initial investment or a replacement at an existing project. (See below for further discussion of initial investments and replacements.) Column K specifies if an investment was financed through the issuance of revenue bonds to the U.S. Treasury; all other investment was financed through appropriations.

Statement C, Subpart A—General Provisions, 18 C.F.R. 300.1(b)(4), incorporates the following definition of initial investments:

*Initial capital investment* means the cost of acquisition or construction of a power facility or non-power facility which has been assigned to be repaid from the transmission revenues, including but not limited to any cost of planning, design, land acquisition, construction, interest during construction, and testing incurred before the date on which the facility becomes operational or revenue-producing.

An initial investment begins at the time the first unit at a particular site is placed in service and ends when all units related to that initial investment are placed in service.

The following definition was used for replacements, 18 C.F.R. 300.1(b)(9):

*Replacement* means any substitution of a unit of property with another unit of like character.

Table C-1 provides a consolidated historical summary of all bonds issued by BPA to the U.S. Treasury over the period FY 1978-2002.

Tables C-2 and C-3 are derived from the information in Table C-1. These tables provide an association of Transmission plant-in-service to the bonds issued for construction and environment (through FY 2002).

Table C-4 contains a summary listing of transmission bonds issued or projected to be issued during the cost evaluation period (FYs 2003-2005).

Appendix 1 to Statement C addresses interest rate authorities applicable to BPA.

Appendix 2 shows the cumulative cash amortization payments that BPA has made to the U.S. Treasury for transmission investment through FY 2002.

**STATEMENT C  
INVESTMENT AS OF  
SEPTEMBER 30, 2002**

**BONNEVILLE POWER ADMINISTRATION**  
**TRANSMISSION REPAYMENT STUDY**  
*OCTOBER 1, 2003 - SEPTEMBER 30, 2005 COST EVALUATION PERIOD*

**STATEMENT C**

(\$000s)

**HISTORICAL CAPITALIZED INVESTMENT COSTS AS OF 9/30/2002**

Project	In Service	Rate	Due	Term	Original	Balance	Amortized	Replacement?	App/Bond?
BONNEVILLE POWER ADMINISTRATION	1940	2.5000%	1985	45	6,812	6,812		No	App
SUB-TOTAL					6,812	6,812			
BONNEVILLE POWER ADMINISTRATION	1941	2.5000%	1986	45	18,906	18,906		No	App
BONNEVILLE POWER ADMINISTRATION	1941	2.5000%	1986	45	461	461		No	App
SUB-TOTAL					19,367	19,367			
BONNEVILLE POWER ADMINISTRATION	1942	2.5000%	1987	45	8,446	8,446		No	App
BONNEVILLE POWER ADMINISTRATION	1942	2.5000%	1987	45	1,052	1,052		No	App
SUB-TOTAL					9,498	9,498			
BONNEVILLE POWER ADMINISTRATION	1943	2.5000%	1988	45	16,083	16,083		No	App
BONNEVILLE POWER ADMINISTRATION	1943	2.5000%	1988	45	4,538	4,538		No	App
SUB-TOTAL					20,621	20,621			
BONNEVILLE POWER ADMINISTRATION	1944	2.5000%	1989	45	583	583		No	App
BONNEVILLE POWER ADMINISTRATION	1944	2.5000%	1989	45	249	249		No	App
SUB-TOTAL					832	832			
BONNEVILLE POWER ADMINISTRATION	1945	2.5000%	1990	45	1,306	1,306		No	App
BONNEVILLE POWER ADMINISTRATION	1945	2.5000%	1990	45	3,366	3,366		No	App
SUB-TOTAL					4,672	4,672			
BONNEVILLE POWER ADMINISTRATION	1946	2.5000%	1991	45	2,488	2,488		No	App
BONNEVILLE POWER ADMINISTRATION	1946	2.5000%	1991	45	732	732		No	App
SUB-TOTAL					3,220	3,220			
BONNEVILLE POWER ADMINISTRATION	1947	2.5000%	1992	45	1,330	1,330		No	App
BONNEVILLE POWER ADMINISTRATION	1947	2.5000%	1992	45	1,773	1,773		No	App
SUB-TOTAL					3,103	3,103			
BONNEVILLE POWER ADMINISTRATION	1948	2.5000%	1993	45	7,468	7,468		No	App
BONNEVILLE POWER ADMINISTRATION	1948	2.5000%	1993	45	2,290	2,290		No	App
SUB-TOTAL					9,758	9,758			
BONNEVILLE POWER ADMINISTRATION	1949	2.5000%	1994	45	6,809	6,809		No	App
BONNEVILLE POWER ADMINISTRATION	1949	2.5000%	1994	45	2,719	2,719		No	App
SUB-TOTAL					9,528	9,528			
BONNEVILLE POWER ADMINISTRATION	1950	2.5000%	1995	45	24,111	24,111		No	App
BONNEVILLE POWER ADMINISTRATION	1950	2.5000%	1995	45	6,124	6,124		No	App
SUB-TOTAL					30,235	30,235			

BONNEVILLE POWER ADMINISTRATION	1951	2.5000%	1996	45	7,040	7,040	No	App
BONNEVILLE POWER ADMINISTRATION	1951	2.5000%	1996	45	13,266	13,266	No	App
SUB-TOTAL					20,306	20,306		
BONNEVILLE POWER ADMINISTRATION	1952	2.5000%	1997	45	18,610	18,610	No	App
BONNEVILLE POWER ADMINISTRATION	1952	2.5000%	1997	45	8,979	8,979	No	App
SUB-TOTAL					27,589	27,589		
BONNEVILLE POWER ADMINISTRATION	1953	6.3300%	1998	45	11,605	11,605	Yes	App
BONNEVILLE POWER ADMINISTRATION	1953	6.3300%	1998	45	23,550	23,550	No	App
SUB-TOTAL					35,155	35,155		
BONNEVILLE POWER ADMINISTRATION	1954	6.5100%	1999	45	23,614	23,614	No	App
BONNEVILLE POWER ADMINISTRATION	1954	6.5100%	1999	45	17,370	17,370	No	App
SUB-TOTAL					40,984	40,984		
BONNEVILLE POWER ADMINISTRATION	1955	6.6200%	2000	45	11,827	11,827	No	App
BONNEVILLE POWER ADMINISTRATION	1955	6.6200%	2000	45	10,283	10,283	Yes	App
SUB-TOTAL					22,110	22,110		
BONNEVILLE POWER ADMINISTRATION	1956	6.7100%	2001	45	14,573	14,573	No	App
BONNEVILLE POWER ADMINISTRATION	1956	6.7100%	2001	45	32,221	32,221	Yes	App
SUB-TOTAL					46,794	46,794		
BONNEVILLE POWER ADMINISTRATION	1957	6.7900%	2002	45	7,933	7,933	No	App
BONNEVILLE POWER ADMINISTRATION	1957	6.7900%	2002	45	15,980	15,980	Yes	App
SUB-TOTAL					23,913	23,913		
BONNEVILLE POWER ADMINISTRATION	1958	6.8400%	2003	45	15,593	15,593	No	App
BONNEVILLE POWER ADMINISTRATION	1958	6.8400%	2003	45	10,654	10,654	Yes	App
SUB-TOTAL					26,247	26,247		
BONNEVILLE POWER ADMINISTRATION	1959	6.8800%	2004	45	8,157	8,157	No	App
BONNEVILLE POWER ADMINISTRATION	1959	6.8800%	2004	45	8,863	8,863	Yes	App
SUB-TOTAL					17,020	17,020		
BONNEVILLE POWER ADMINISTRATION	1960	6.9100%	2005	45	3,598	3,598	No	App
BONNEVILLE POWER ADMINISTRATION	1960	6.9100%	2005	45	4,218	4,218	Yes	App
SUB-TOTAL					7,816	7,816		
BONNEVILLE POWER ADMINISTRATION	1961	6.9500%	2006	45	4,468	4,468	No	App
BONNEVILLE POWER ADMINISTRATION	1961	6.9500%	2006	45	11,271	11,271	Yes	App
SUB-TOTAL					15,739	15,739		
BONNEVILLE POWER ADMINISTRATION	1962	6.9800%	2007	45	19,597	19,597	No	App
BONNEVILLE POWER ADMINISTRATION	1962	6.9800%	2007	45	4,877	4,877	Yes	App
SUB-TOTAL					24,474	24,474		
BONNEVILLE POWER ADMINISTRATION	1963	7.0200%	2008	45	4,876	4,876	No	App
BONNEVILLE POWER ADMINISTRATION	1963	7.0200%	2008	45	4,330	4,330	Yes	App
BONNEVILLE POWER ADMINISTRATION	1963	7.0200%	2008	45	904	904	No	App
BONNEVILLE POWER ADMINISTRATION	1963	7.0200%	2008	45	803	803	Yes	App
SUB-TOTAL					10,913	10,913		
BONNEVILLE POWER ADMINISTRATION	1964	7.0600%	2009	45	4,151	4,151	No	App
BONNEVILLE POWER ADMINISTRATION	1964	7.0600%	2009	45	5,738	5,738	Yes	App
SUB-TOTAL					9,889	9,889		

BONNEVILLE POWER ADMINISTRATION	1965	7.0900%	2010	45	3,706	3,706	No	App
BONNEVILLE POWER ADMINISTRATION	1965	7.0900%	2010	45	7,248	7,248	Yes	App
BONNEVILLE POWER ADMINISTRATION	1965	7.0900%	2010	45	5,202	5,202	No	App
BONNEVILLE POWER ADMINISTRATION	1965	7.0900%	2010	45	10,171	10,171	Yes	App
SUB-TOTAL					26,327	26,327		
BONNEVILLE POWER ADMINISTRATION	1966	7.1300%	2011	45	11,830	11,830	No	App
BONNEVILLE POWER ADMINISTRATION	1966	7.1300%	2011	45	3,049	3,049	Yes	App
BONNEVILLE POWER ADMINISTRATION	1966	7.1300%	2011	45	6,647	6,647	No	App
BONNEVILLE POWER ADMINISTRATION	1966	7.1300%	2011	45	1,714	1,714	Yes	App
SUB-TOTAL					23,240	23,240		
BONNEVILLE POWER ADMINISTRATION	1967	7.1600%	2012	45	19,003	19,003	No	App
BONNEVILLE POWER ADMINISTRATION	1967	7.1600%	2012	45	4,566	4,566	Yes	App
BONNEVILLE POWER ADMINISTRATION	1967	7.1600%	2012	45	14,300	14,300	No	App
BONNEVILLE POWER ADMINISTRATION	1967	7.1600%	2012	45	3,436	3,436	Yes	App
SUB-TOTAL					41,305	41,305		
BONNEVILLE POWER ADMINISTRATION	1968	7.2000%	2013	45	41,070	41,070	No	App
BONNEVILLE POWER ADMINISTRATION	1968	7.2000%	2013	45	8,076	8,076	Yes	App
BONNEVILLE POWER ADMINISTRATION	1968	7.2000%	2013	45	23,202	23,202	No	App
BONNEVILLE POWER ADMINISTRATION	1968	7.2000%	2013	45	4,562	4,562	Yes	App
SUB-TOTAL					76,910	76,910		
BONNEVILLE POWER ADMINISTRATION	1969	7.2300%	2014	45	42,237	42,237	No	App
BONNEVILLE POWER ADMINISTRATION	1969	7.2300%	2014	45	22,537	22,537	Yes	App
BONNEVILLE POWER ADMINISTRATION	1969	7.2300%	2014	45	384	384	No	App
BONNEVILLE POWER ADMINISTRATION	1969	7.2300%	2014	45	205	205	Yes	App
SUB-TOTAL					65,363	65,363		
BONNEVILLE POWER ADMINISTRATION	1970	7.2700%	2015	45	64,977	64,977	No	App
BONNEVILLE POWER ADMINISTRATION	1970	7.2700%	2015	45	7,995	7,995	Yes	App
BONNEVILLE POWER ADMINISTRATION	1970	7.2700%	2015	45	24,412	24,412	No	App
BONNEVILLE POWER ADMINISTRATION	1970	7.2700%	2015	45	3,003	3,003	Yes	App
SUB-TOTAL					100,387	100,387		
BONNEVILLE POWER ADMINISTRATION	1971	7.2900%	2016	45	12,025	12,025	No	App
BONNEVILLE POWER ADMINISTRATION	1971	7.2900%	2016	45	17,766	17,766	Yes	App
BONNEVILLE POWER ADMINISTRATION	1971	7.2900%	2016	45	12,051	12,051	No	App
BONNEVILLE POWER ADMINISTRATION	1971	7.2900%	2016	45	17,805	17,805	Yes	App
SUB-TOTAL					59,647	59,647		
BONNEVILLE POWER ADMINISTRATION	1972	7.2900%	2017	45	29,326	29,326	No	App
BONNEVILLE POWER ADMINISTRATION	1972	7.2900%	2017	45	21,170	21,170	Yes	App
BONNEVILLE POWER ADMINISTRATION	1972	7.2900%	2017	45	3,980	3,980	No	App
BONNEVILLE POWER ADMINISTRATION	1972	7.2900%	2017	45	2,873	2,873	Yes	App
SUB-TOTAL					57,349	57,349		
BONNEVILLE POWER ADMINISTRATION	1973	7.2800%	2018	45	33,788	33,788	No	App
BONNEVILLE POWER ADMINISTRATION	1973	7.2800%	2018	45	21,656	21,656	Yes	App
BONNEVILLE POWER ADMINISTRATION	1973	7.2800%	2018	45	16,368	16,368	No	App
BONNEVILLE POWER ADMINISTRATION	1973	7.2800%	2018	45	10,491	10,491	Yes	App
SUB-TOTAL					82,303	82,303		
BONNEVILLE POWER ADMINISTRATION	1974	7.2700%	2019	45	12,079	12,079	No	App
BONNEVILLE POWER ADMINISTRATION	1974	7.2700%	2019	45	20,984	20,984	Yes	App
BONNEVILLE POWER ADMINISTRATION	1974	7.2700%	2019	45	12,563	12,563	No	App

BONNEVILLE POWER ADMINISTRATION SUB-TOTAL	1974	7.2700%	2019	45	21,826	21,826	Yes	App
BONNEVILLE POWER ADMINISTRATION	1975	7.2500%	2020	45	32,026	32,026	No	App
BONNEVILLE POWER ADMINISTRATION	1975	7.2500%	2020	45	21,916	21,916	Yes	App
BONNEVILLE POWER ADMINISTRATION	1975	7.2500%	2020	45	17,158	17,158	No	App
BONNEVILLE POWER ADMINISTRATION	1975	7.2500%	2020	45	11,742	11,742	Yes	App
SUB-TOTAL					82,842	82,842		
BONNEVILLE POWER ADMINISTRATION	1976	7.2300%	2021	45	61,025	61,025	No	App
BONNEVILLE POWER ADMINISTRATION	1976	7.2300%	2021	45	2,212	2,212	Yes	App
SUB-TOTAL					63,237	63,237		
BONNEVILLE POWER ADMINISTRATION	1977	7.2100%	2022	45	3,948	3,948	No	App
BONNEVILLE POWER ADMINISTRATION	1977	7.2100%	2022	45	5,380	5,380	Yes	App
BONNEVILLE POWER ADMINISTRATION	1977	7.2100%	2022	45	33,702	33,702	No	App
BONNEVILLE POWER ADMINISTRATION	1977	7.2100%	2022	45	4,981	4,981	Yes	App
SUB-TOTAL					48,011	48,011		
BPA PROGRAM	1978	8.9500%	2013	35	17,770	17,770	No	Bond
BPA PROGRAM	1978	8.9500%	2013	35	24,222	24,222	Yes	Bond
BPA PROGRAM	1978	8.9500%	2013	35	3,389	3,389	No	Bond
BPA PROGRAM	1978	8.9500%	2013	35	4,619	4,619	Yes	Bond
SUB-TOTAL					50,000	50,000		
BPA PROGRAM	1979	9.4500%	2014	35	7,010	7,010	No	Bond
BPA PROGRAM	1979	9.4500%	2014	35	9,804	9,804	Yes	Bond
BPA PROGRAM	1979	9.4500%	2014	35	26,690	26,690	No	Bond
BPA PROGRAM	1979	9.4500%	2014	35	21,977	21,977	Yes	Bond
BPA PROGRAM	1979	9.4500%	2014	35	6,026	6,026	Yes	Bond
BPA PROGRAM	1979	9.4500%	2014	35	1,371	1,371	No	Bond
BPA PROGRAM	1979	9.4500%	2014	35	1,870	1,870	Yes	Bond
BPA PROGRAM	1979	9.4500%	2014	35	150	150	No	Bond
BPA PROGRAM	1979	9.4500%	2014	35	102	102	Yes	Bond
BPA PROGRAM	1979	9.9000%	2014	35	21,228	21,228	No	Bond
BPA PROGRAM	1979	9.9000%	2014	35	14,340	14,340	Yes	Bond
BPA PROGRAM	1979	9.9000%	2014	35	10,610	10,610	No	Bond
BPA PROGRAM	1979	9.9000%	2014	35	2,888	2,888	Yes	Bond
BPA PROGRAM	1979	9.9000%	2014	35	98	98	No	Bond
BPA PROGRAM	1979	9.9000%	2014	35	66	66	Yes	Bond
BPA PROGRAM	1979	9.9000%	2014	35	605	605	No	Bond
BPA PROGRAM	1979	9.9000%	2014	35	165	165	Yes	Bond
SUB-TOTAL					125,000	125,000		
BPA PROGRAM	1980	13.0000%	2015	35	39,696	39,696	No	Bond
BPA PROGRAM	1980	13.0000%	2015	35	10,806	10,806	Yes	Bond
BPA PROGRAM	1980	13.0000%	2015	35	44,811	44,811	No	Bond
BPA PROGRAM	1980	13.0000%	2015	35	1,469	1,469	Yes	Bond
BPA PROGRAM	1980	13.0000%	2015	35	9,292	9,292	No	Bond
BPA PROGRAM	1980	13.0000%	2015	35	4,253	4,253	Yes	Bond
BPA PROGRAM	1980	13.0000%	2015	35	2,263	2,263	No	Bond
BPA PROGRAM	1980	13.0000%	2015	35	616	616	Yes	Bond
BPA PROGRAM	1980	13.0000%	2015	35	1,707	1,707	No	Bond
BPA PROGRAM	1980	13.0000%	2015	35	56	56	Yes	Bond
BPA PROGRAM	1980	13.0000%	2015	35	21	21	No	Bond
BPA PROGRAM	1980	13.0000%	2015	35	10	10	Yes	Bond
SUB-TOTAL					115,000	115,000		

BPA PROGRAM	1981	16.6000%	2016	35	119,775	119,775	No	Bond
BPA PROGRAM	1981	16.6000%	2016	35	54,821	54,821	Yes	Bond
BPA PROGRAM	1981	16.6000%	2016	35	277	277	No	Bond
BPA PROGRAM	1981	16.6000%	2016	35	127	127	Yes	Bond
SUB-TOTAL					175,000	175,000		
BPA PROGRAM	1982	14.1500%	2017	35	3,677	3,677	No	Bond
BPA PROGRAM	1982	14.1500%	2017	35	2,932	2,932	Yes	Bond
BPA PROGRAM	1982	14.1500%	2017	35	77,807	77,807	No	Bond
BPA PROGRAM	1982	14.1500%	2017	35	43	43	No	Bond
BPA PROGRAM	1982	14.1500%	2017	35	34	34	Yes	Bond
BPA PROGRAM	1982	14.1500%	2017	35	402	402	No	Bond
BPA PROGRAM	1982	14.1500%	2017	35	105	105	Yes	Bond
BPA PROGRAM	1982	14.4000%	2017	35	34,221	34,221	No	Bond
BPA PROGRAM	1982	14.4000%	2017	35	15,663	15,663	Yes	Bond
BPA PROGRAM	1982	14.4000%	2017	35	9,975	9,975	No	Bond
BPA PROGRAM	1982	14.4000%	2017	35	4,566	4,566	Yes	Bond
BPA PROGRAM	1982	14.4000%	2017	35	46,980	46,980	No	Bond
BPA PROGRAM	1982	14.4000%	2017	35	37,455	37,455	Yes	Bond
BPA PROGRAM	1982	14.4000%	2017	35	80	80	No	Bond
BPA PROGRAM	1982	14.4000%	2017	35	36	36	Yes	Bond
BPA PROGRAM	1982	14.4000%	2017	35	23	23	No	Bond
BPA PROGRAM	1982	14.4000%	2017	35	11	11	Yes	Bond
BPA PROGRAM	1982	14.4000%	2017	35	551	551	No	Bond
BPA PROGRAM	1982	14.4000%	2017	35	439	439	Yes	Bond
SUB-TOTAL					235,000	235,000		
BPA PROGRAM	1983	10.8500%	2018	35	205	205	No	Bond
BPA PROGRAM	1983	10.8500%	2018	35	54	54	Yes	Bond
BPA PROGRAM	1983	10.8500%	2018	35	39,741	39,741	No	Bond
BPA PROGRAM	1983	11.7000%	2018	35	154	154	No	Bond
BPA PROGRAM	1983	11.7000%	2018	35	29,806	29,806	No	Bond
BPA PROGRAM	1983	11.7000%	2018	35	40	40	Yes	Bond
BPA PROGRAM	1983	12.2500%	2018	35	814	814	No	Bond
BPA PROGRAM	1983	12.2500%	2018	35	37,235	37,235	No	Bond
BPA PROGRAM	1983	12.2500%	2018	35	6,708	6,708	Yes	Bond
BPA PROGRAM	1983	12.2500%	2018	35	4	4	No	Bond
BPA PROGRAM	1983	12.2500%	2018	35	1	1	Yes	Bond
BPA PROGRAM	1983	12.2500%	2018	35	203	203	No	Bond
BPA PROGRAM	1983	12.2500%	2018	35	35	35	Yes	Bond
SUB-TOTAL					115,000	115,000		
BPA PROGRAM	1984	12.3000%	2019	35	25,283	25,283	No	Bond
BPA PROGRAM	1984	12.3000%	2019	35	4,555	4,555	Yes	Bond
BPA PROGRAM	1984	12.3000%	2019	35	138	138	No	Bond
BPA PROGRAM	1984	12.3000%	2019	35	24	24	Yes	Bond
BPA PROGRAM	1984	13.0500%	2019	35	50,567	50,567	No	Bond
BPA PROGRAM	1984	13.0500%	2019	35	9,109	9,109	Yes	Bond
BPA PROGRAM	1984	13.0500%	2019	35	276	276	No	Bond
BPA PROGRAM	1984	13.0500%	2019	35	48	48	Yes	Bond
SUB-TOTAL					90,000	90,000		
BPA PROGRAM	1985	11.2500%	2030	45	84,278	84,278	No	Bond
BPA PROGRAM	1985	11.2500%	2029	44	15,182	15,182	Yes	Bond
BPA PROGRAM	1985	11.2500%	2029	44	460	460	No	Bond
BPA PROGRAM	1985	11.2500%	2029	44	80	80	Yes	Bond
SUB-TOTAL					100,000	100,000		

BPA PROGRAM	1986	8.1500%	1996	10	870	870	No	Bond
BPA PROGRAM	1986	8.1500%	1996	10	157	157	Yes	Bond
BPA PROGRAM	1986	8.1500%	1996	10	30,161	30,161	No	Bond
BPA PROGRAM	1986	8.1500%	1996	10	68,194	68,194	Yes	Bond
BPA PROGRAM	1986	8.1500%	1996	10	5	5	No	Bond
BPA PROGRAM	1986	8.1500%	1996	10	1	1	Yes	Bond
BPA PROGRAM	1986	8.1500%	1996	10	443	443	No	Bond
BPA PROGRAM	1986	8.1500%	1996	10	169	169	Yes	Bond
BPA PROGRAM	1986	8.9500%	2031	45	5,161	5,161	No	Bond
BPA PROGRAM	1986	8.9500%	2031	45	11,668	11,668	Yes	Bond
BPA PROGRAM	1986	8.9500%	2031	45	180,054	180,054	No	Bond
BPA PROGRAM	1986	8.9500%	2031	45	3,117	3,117	Yes	Bond
BPA PROGRAM	1986	8.9500%	2031	45	40,000	40,000	Yes	Bond
BPA PROGRAM	1986	8.9500%	2031	45	57,354	57,354	Yes	Bond
BPA PROGRAM	1986	8.9500%	2031	45	76	76	No	Bond
BPA PROGRAM	1986	8.9500%	2031	45	29	29	Yes	Bond
BPA PROGRAM	1986	8.9500%	2031	45	1,819	1,819	No	Bond
BPA PROGRAM	1986	8.9500%	2031	45	722	722	Yes	Bond
SUB-TOTAL					400,000	400,000		
BPA PROGRAM	1987	8.3500%	1992	5	96,519	96,519	No	Bond
BPA PROGRAM	1987	8.3500%	1992	5	2,498	2,498	No	Bond
BPA PROGRAM	1987	8.3500%	1992	5	983	983	No	Bond
BPA PROGRAM	1987	9.3000%	2032	45	43,236	43,236	No	Bond
BPA PROGRAM	1987	9.3000%	2032	45	54,409	54,409	Yes	Bond
BPA PROGRAM	1987	9.3000%	2032	45	111	111	No	Bond
BPA PROGRAM	1987	9.3000%	2032	45	281	281	No	Bond
BPA PROGRAM	1987	9.3000%	2032	45	554	554	No	Bond
BPA PROGRAM	1987	9.3000%	2032	45	1,409	1,409	No	Bond
BPA PROGRAM	1987	9.5500%	2032	45	618	618	Yes	Bond
BPA PROGRAM	1987	9.5500%	2017	30	4,113	4,113	No	Bond
BPA PROGRAM	1987	9.5500%	2017	30	86,958	86,958	No	Bond
BPA PROGRAM	1987	9.5500%	2032	45	112	112	Yes	Bond
BPA PROGRAM	1987	9.5500%	2017	30	569	569	No	Bond
BPA PROGRAM	1987	9.5500%	2017	30	38	38	Yes	Bond
BPA PROGRAM	1987	9.5500%	2017	30	3,274	3,274	Yes	Bond
BPA PROGRAM	1987	9.5500%	2017	30	48	48	No	Bond
BPA PROGRAM	1987	9.5500%	2032	45	7,903	7,903	No	Bond
BPA PROGRAM	1987	9.5500%	2032	45	3,109	3,109	Yes	Bond
BPA PROGRAM	1987	9.5500%	2032	45	37,342	37,342	No	Bond
BPA PROGRAM	1987	9.5500%	2032	45	285	285	No	Bond
BPA PROGRAM	1987	9.5500%	2032	45	631	631	No	Bond
SUB-TOTAL					345,000	345,000		
BPA PROGRAM	1988	9.5000%	2018	30	283	283	No	Bond
BPA PROGRAM	1988	9.5000%	2018	30	43,417	43,417	No	Bond
BPA PROGRAM	1988	9.5000%	2033	45	28,513	28,513	No	Bond
BPA PROGRAM	1988	9.5000%	2033	45	27,887	27,887	Yes	Bond
BPA PROGRAM	1988	9.5000%	2033	45	20,677	20,677	No	Bond
BPA PROGRAM	1988	9.5000%	2033	45	22,923	22,923	Yes	Bond
BPA PROGRAM	1988	9.5000%	2033	45	45,870	45,870	Yes	Bond
BPA PROGRAM	1988	9.5000%	2033	45	954	954	No	Bond
BPA PROGRAM	1988	9.5000%	2033	45	933	933	Yes	Bond
BPA PROGRAM	1988	9.5000%	2033	45	518	518	No	Bond
BPA PROGRAM	1988	9.5000%	2033	45	1,725	1,725	Yes	Bond
BPA PROGRAM	1988	9.9000%	2033	45	9,018	9,018	No	Bond
BPA PROGRAM	1988	9.9000%	2033	45	30,004	30,004	Yes	Bond
BPA PROGRAM	1988	9.9000%	2033	45	226	226	No	Bond

BPA PROGRAM SUB-TOTAL	1988	9.9000%	2033	45	752 233,700	752 233,700	Yes	Bond	
BPA PROGRAM	1989	8.9500%	1999	10	16,909	16,909	No	Bond	
BPA PROGRAM	1989	8.9500%	1999	10	56,257	56,257	Yes	Bond	
BPA PROGRAM	1989	8.9500%	1999	10	424	424	No	Bond	
BPA PROGRAM	1989	8.9500%	1999	10	1,410	1,410	No	Bond	
SUB-TOTAL					75,000	75,000			
BPA PROGRAM	1990	9.2500%	2030	40	41,894	41,894	No	Bond	
BPA PROGRAM	1990	9.2500%	2030	40	1,149	1,149	No	Bond	
BPA PROGRAM	1990	9.2500%	2030	40	3,824	3,824	Yes	Bond	
BPA PROGRAM	1990	9.2500%	2030	40	29	29	No	Bond	
BPA PROGRAM	1990	9.2500%	2030	40	96	96	Yes	Bond	
BPA PROGRAM	1990	9.2500%	2030	40	3,008	3,008	No	Bond	
SUB-TOTAL					50,000	50,000			
BPA PROGRAM	1991	7.5500%	1995	4	54,145	54,145	No	Bond	
BPA PROGRAM	1991	7.5500%	1995	4	5,855	5,855	No	Bond	
SUB-TOTAL					60,000	60,000			
BPA PROGRAM	1992	6.2000%	1995	3	80,000	80,000	No	Bond	
BPA PROGRAM	1992	6.6000%	2000	8	107,800	107,800	No	Bond	
BPA PROGRAM	1992	7.0000%	1997	5	50,000	50,000	No	Bond	
BPA PROGRAM	1992	7.0000%	1997	5	28,300	28,300	No	Bond	
BPA PROGRAM	1992	7.2500%	2007	15	107,700	107,700	No	Bond	
BPA PROGRAM	1992	8.1300%	2032	40	150,000	150,000	No	Bond	
BPA PROGRAM	1992	8.8000%	2032	40	147,521	147,521	No	Bond	
BPA PROGRAM	1992	8.8000%	2032	40	2,479	2,479	No	Bond	
SUB-TOTAL					673,800	673,800			
BPA PROGRAM	1993	6.0500%	1998	5	50,000	50,000	No	Bond	
BPA PROGRAM	1993	6.9500%	2033	40	110,000	110,000	No	Bond	
BPA PROGRAM	1993	7.5000%	2033	40	100,000	100,000	No	Bond	
BPA PROGRAM	1993	7.8000%	2033	40	130,000	130,000	No	Bond	
BPA PROGRAM	1993	8.3500%	2033	40	99,962	99,962	No	Bond	
SUB-TOTAL					489,962	110,000	379,962		
BPA PROGRAM	1994	6.8500%	2034	40	50,000	50,000	No	Bond	
BPA PROGRAM	1994	6.8500%	2034	40	108,400	108,400	No	Bond	
BPA PROGRAM	1994	7.0500%	2034	40	50,000	50,000	No	Bond	
BPA PROGRAM	1994	7.1000%	1998	4	43,155	43,155	No	Bond	
BPA PROGRAM	1994	7.1000%	1998	4	49,489	49,489	No	Bond	
BPA PROGRAM	1994	7.1000%	1998	4	4,456	4,456	No	Bond	
BPA PROGRAM	1994	7.6500%	1999	5	55,000	55,000	No	Bond	
BPA PROGRAM	1994	8.2000%	2034	40	50,000	50,000	No	Bond	
SUB-TOTAL					410,500	208,400	202,100		
BPA PROGRAM	1995	7.7000%	2025	30	49,933	34,976	14,957	No	Bond
BPA PROGRAM	1995	7.7000%	2025	30	65,000	65,000	No	Bond	
BPA PROGRAM	1995	8.3500%	2001	6	55,000	55,000	No	Bond	
SUB-TOTAL					169,933	34,976	134,957		
BPA PROGRAM	1996	5.9000%	2003	7	54,378	54,378	No	Bond	
BPA PROGRAM	1996	7.0500%	2006	10	70,000	70,000	No	Bond	
SUB-TOTAL					124,378	124,378			
BPA PROGRAM	1997	6.6500%	2007	10	111,254	111,254	No	Bond	

BPA PROGRAM	1997	6.8000%	2004	7	22,600	22,600	No	Bond
BPA PROGRAM	1997	6.9000%	2005	8	80,000	80,000	No	Bond
ENVIRONMENT	1997	6.9500%	2012	15	40,000	40,000	No	Bond
SUB-TOTAL					253,854	253,854		
BPA PROGRAM	1998	5.7500%	2008	10	36,819	36,819	No	Bond
BPA PROGRAM	1998	5.8500%	2023	25	106,600	106,600	No	Bond
BPA PROGRAM	1998	5.8500%	2028	30	112,300	112,300	No	Bond
BPA PROGRAM	1998	6.0000%	2008	10	75,300	75,300	No	Bond
BPA PROGRAM	1998	6.0000%	2009	11	72,700	72,700	No	Bond
BPA PROGRAM	1998	6.2000%	2011	13	40,000	40,000	No	Bond
BPA PROGRAM	1998	6.6500%	2029	31	50,000	50,000	No	Bond
BPA PROGRAM	1998	6.7000%	2032	34	98,900	98,900	No	Bond
SUB-TOTAL					592,619	592,619		
BPA PROGRAM	1999	5.9000%	2014	15	59,050	59,050	No	Bond
BPA PROGRAM	1999	5.9500%	2004	5	26,200	26,200	No	Bond
BPA PROGRAM	1999	6.2000%	2002	3	40,000	40,000	No	Bond
SUB-TOTAL					125,250	85,250	40,000	
BPA PROGRAM	2000	6.4000%	2003	3	40,000	40,000	No	Bond
BPA PROGRAM	2000	6.7500%	2006	6	40,000	40,000	No	Bond
BPA PROGRAM	2000	6.8500%	2003	3	15,300	15,300	No	Bond
BPA PROGRAM	2000	7.0000%	2004	4	39,052	39,052	No	Bond
BPA PROGRAM	2000	7.1500%	2005	5	53,500	53,500	No	Bond
SUB-TOTAL					187,852	187,852		
BPA PROGRAM	2001	5.6500%	2005	4	20,000	20,000	No	Bond
BPA PROGRAM	2001	5.7500%	2011	10	50,000	50,000	No	Bond
BPA PROGRAM	2001	5.9500%	2011	10	25,000	25,000	No	Bond
BPA PROGRAM	2001	6.0500%	2010	9	59,933	59,933	No	Bond
ENVIRONMENT	2001	6.0500%	2010	9	30,000	30,000	No	Bond
SUB-TOTAL					184,933	184,933		
ENVIRONMENT	2002	3.0500%	2006	4	30,000	30,000	No	Bond
BPA PROGRAM	2002	6.0600%	2017	15	60,000	60,000	No	Bond
BPA PROGRAM	2002	6.0600%	2017	15	100,000	100,000	No	Bond
BPA PROGRAM	2002	6.0600%	2017	15	108,010	108,010	No	Bond
SUB-TOTAL					298,010	298,010		
TOTAL					6,920,759	2,986,743	3,934,016	No

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**BONNEVILLE POWER ADMINISTRATION**  
**TRANSMISSION REPAYMENT STUDY**  
**OCTOBER 1, 2003 - SEPTEMBER 30, 2005 COST EVALUATION PERIOD**

**STATEMENT C**

(\$000s)

**PROJECTED CAPITALIZED INVESTMENT COSTS AS OF 9/30/2002**

Project	In Service	Rate	Due	Term	Original	Replacement?	App/Bond?
ENVIRONMENT	2003	6.5600%	2018	15	2,675	No	Bond
BPA PROGRAM	2003	7.0100%	2038	35	352,497	No	Bond
SUB-TOTAL					355,172		
ENVIRONMENT	2004	6.7700%	2019	15	7,369	No	Bond
BPA PROGRAM	2004	7.1800%	2039	35	316,633	No	Bond
SUB-TOTAL					324,002		
BPA PROGRAM	2005	7.0180%	2040	35	104,324	Yes	Bond
SUB-TOTAL					104,324		
BPA PROGRAM	2006	7.0180%	2041	35	109,171	Yes	Bond
SUB-TOTAL					109,171		
BPA PROGRAM	2007	7.0180%	2042	35	113,672	Yes	Bond
SUB-TOTAL					113,672		
BPA PROGRAM	2008	7.0180%	2043	35	117,822	Yes	Bond
SUB-TOTAL					117,822		
BPA PROGRAM	2009	7.0180%	2044	35	121,813	Yes	Bond
SUB-TOTAL					121,813		
BPA PROGRAM	2010	7.0180%	2045	35	125,815	Yes	Bond
SUB-TOTAL					125,815		
BPA PROGRAM	2011	7.0180%	2046	35	129,794	Yes	Bond
SUB-TOTAL					129,794		
BPA PROGRAM	2012	7.0180%	2047	35	133,879	Yes	Bond
SUB-TOTAL					133,879		
BPA PROGRAM	2013	7.0180%	2048	35	138,116	Yes	Bond
SUB-TOTAL					138,116		
BPA PROGRAM	2014	7.0180%	2049	35	142,455	Yes	Bond
SUB-TOTAL					142,455		
BPA PROGRAM	2015	7.0180%	2050	35	146,688	Yes	Bond
SUB-TOTAL					146,688		

BPA PROGRAM SUB-TOTAL	2016	7.0180%	2051	35	150,821 150,821	Yes	Bond
BPA PROGRAM SUB-TOTAL	2017	7.0180%	2052	35	154,861 154,861	Yes	Bond
BPA PROGRAM SUB-TOTAL	2018	7.0180%	2053	35	158,673 158,673	Yes	Bond
BPA PROGRAM SUB-TOTAL	2019	7.0180%	2054	35	162,458 162,458	Yes	Bond
BPA PROGRAM SUB-TOTAL	2020	7.0180%	2055	35	166,193 166,193	Yes	Bond
BPA PROGRAM SUB-TOTAL	2021	7.0180%	2056	35	169,716 169,716	Yes	Bond
BPA PROGRAM SUB-TOTAL	2022	7.0180%	2057	35	173,017 173,017	Yes	Bond
BPA PROGRAM SUB-TOTAL	2023	7.0180%	2058	35	176,178 176,178	Yes	Bond
BPA PROGRAM SUB-TOTAL	2024	7.0180%	2059	35	179,147 179,147	Yes	Bond
BPA PROGRAM SUB-TOTAL	2025	7.0180%	2060	35	181,833 181,833	Yes	Bond
BPA PROGRAM SUB-TOTAL	2026	7.0180%	2061	35	184,264 184,264	Yes	Bond
BPA PROGRAM SUB-TOTAL	2027	7.0180%	2062	35	186,501 186,501	Yes	Bond
BPA PROGRAM SUB-TOTAL	2028	7.0180%	2063	35	188,553 188,553	Yes	Bond
BPA PROGRAM SUB-TOTAL	2029	7.0180%	2064	35	190,275 190,275	Yes	Bond
BPA PROGRAM SUB-TOTAL	2030	7.0180%	2065	35	191,790 191,790	Yes	Bond
BPA PROGRAM SUB-TOTAL	2031	7.0180%	2066	35	193,015 193,015	Yes	Bond
BPA PROGRAM SUB-TOTAL	2032	7.0180%	2067	35	194,027 194,027	Yes	Bond
BPA PROGRAM SUB-TOTAL	2033	7.0180%	2068	35	194,787 194,787	Yes	Bond

BPA PROGRAM SUB-TOTAL	2034	7.0180%	2069	35	195,105 195,105	Yes	Bond
BPA PROGRAM SUB-TOTAL	2035	7.0180%	2070	35	195,278 195,278	Yes	Bond
BPA PROGRAM SUB-TOTAL	2036	7.0180%	2071	35	195,354 195,354	Yes	Bond
BPA PROGRAM SUB-TOTAL	2037	7.0180%	2072	35	195,173 195,173	Yes	Bond
BPA PROGRAM SUB-TOTAL	2038	7.0180%	2073	35	194,865 194,865	Yes	Bond
BPA PROGRAM SUB-TOTAL	2039	7.0180%	2074	35	194,573 194,573	Yes	Bond
TOTAL					6,429,180	No	

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**BONNEVILLE POWER ADMINISTRATION**  
*TRANSMISSION REPAYMENT STUDY*  
*OCTOBER 1, 2003 - SEPTEMBER 30, 2005 COST EVALUATION PERIOD*

**STATEMENT C**  
*(\$000s)*

**TOTAL CAPITALIZED INVESTMENT COSTS AS OF 9/30/2002**

	ORIGINAL	BALANCE	AMORTIZED
TOTAL HISTORICAL INVESTMENTS	6,920,759	2,986,743	3,934,016
TOTAL PROJECTED INVESTMENTS	6,429,180		
TOTAL HISTORICAL AND PROJECTED INVESTMENTS	13,349,939	2,986,743	3,934,016

*NOTE: THIS SUPPLEMENT IS NOT REQUIRED BY 18C FR PART 300.11(B)(3), BUT IS PROVIDED AS ADDITIONAL INFO.*

**Table C-1**  
**Consolidated Association of BPA Bonds**  
**Issued to Finance Capital Investment in**  
**Construction, Conservation, Direct Funding, Fish & Wildlife, and Environment**  
**Fiscal Years 1978-2002**

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BONDS ISSUED								ASSOCIATED INVESTMENT							
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)		
Yrs. Between Bond Issue												Investment Functionalized			
Fiscal Year	Amount of Bonds Issued	Interest Rate (%)	Type of Bond 1/	Term of Bond 1/	Date of Maturity (Yrs.)	First Call Date (Yrs.)	Amount Outstanding (\$ 000)	Year in Service	Investment Composite	Date and End of Associated Investment	Total Investment (\$ 000)	Investment Functionalized to Transmission (\$ 000)	Investment Functionalized to Generation 3/ (\$ 000)		
Issued	(\$ 000)							2/		Repayment Periods	(\$ 000)				
1978	50,000	8.95	C	35	2013	1983	0	1977	40	39	50,000	50,000	0		
1979	75,000	9.45	C	35	2014	1984	0	1977 1978	40 40	38 39	20,238 54,762	20,238 54,762	0		
1979	50,000	9.90	C	35	2014	1984	0	1978 1979	40 40	39 40	35,372 14,268	35,732 14,268	0		
1980	115,000	13.00	C	35	2015	1985	0	1979 1980 1981	40 40 40	39 40 41	53,381 48,043 13,576	53,381 48,043 13,576	0		
1981	175,000	16.00	C	35	2016	1986	0	1981	40	40	175,000	175,000	0		
1982	50,000	14.40	C	35	2017	1987	0	1981	40	39	50,000	50,000	0		
1982	100,000	14.40	C	35	2017	1987	0	1981 1982	40 40	39 40	14,575 85,425	14,575 85,425	0		
1982	85,000	14.15	C	35	2017	1987	0 4/	1982 1983	40 40	40 41	6,686 78,314	6,686 78,314	0		
1983	40,000	10.85	C	35	2018	1988	0 5/	1983	40	40	40,000	40,000	0		
1983	30,000	11.70	C	35	2018	1988	0	1983	40	40	30,000	30,000	0		

BONDS ISSUED								ASSOCIATED INVESTMENT						
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	
Yrs. Between Bond Issue														
Fiscal Year <u>Issued</u>	Amount of Bonds <u>(\$ 000)</u>	Interest Rate <u>(%)</u>	Type of Bond <u>1/</u>	Term of Bond <u>(Yrs.)</u>	Date of Maturity <u>(Yr.)</u>	First Call Date <u>(Yr.)</u>	Amount Outstanding <u>(\$ 000)</u>	Investment Composite	Date and End of Associated Investment Repayment <u>Periods</u>	Total Investment <u>(\$ 000)</u>	Investment Functionalized to Transmission <u>(\$ 000)</u>	Investment Functionalized to Generation 3/ <u>(\$ 000)</u>		
1983	45,000	12.25	C	35	2018	1988	0	1983	40	40	819	819	0	
								1984	40	41	44,181	44,181	0	
1983	140,000	12.20	K	20	2003	1988	0	1982	20	19	61,357	0	61,357	
								1983	20	20	78,643	0	78,643	
1984	30,000	12.30	C	35	2019	1989	0	1984	40	40	30,000	30,000	0	
								1984	40	40	60,000	60,000	0	
1984	60,000	13.05	C	35	2019	1989	0	1984	40	40	125,449	0	125,449	
								1984	20	19	24,551	0	24,551	
1984	150,000	13.05	K	20	2004	1989	0	1983	20	19	42,232	0	42,232	
								1984	20	19	7,768	0	7,768	
1985	100,000	11.25	C	45	2030	1990	0	1984	40	39	100,000	100,000	0	
								1985	20	20	98,967	98,967	0	
1985	50,000	10.15	K	5	1990		0	1984	20	19	50,000	0	50,000	
								1985	20	19	45,299	0	45,299	
1986	100,000	8.15	C	10	1996		0	1984	40	38	4,701	0	4,701	
								1985	40	39	16,934	16,934	0	
1986	50,000	8.15	K	10	1996		0	1985	20	19				
								1986	20	19				
1986	50,000	7.80	K	5	1991		0	1985	20	19				
								1986	20	19				
1986	300,000	8.95	C	45	2031	1991	0	7/ 20/	1985	40	39			

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BONDS ISSUED								ASSOCIATED INVESTMENT						
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	
Fiscal Year Issued	Amount of Bonds Issued (\$ 000)	Interest Rate (%)	Type of Bond 1/	Term of Bond Yrs.	Date of Maturity (Yr.)	First Call Date (Yr.)	Amount Outstanding (\$ 000)	Yrs. Between Bond Issue		Investment Composite	Date and End of Associated Investment Repayment Periods	Total Investment (\$ 000) 2/	Investment Functionalized to Transmission (\$ 000)	Investment Functionalized to Generation 3/ (\$ 000)
								Year in Service	Life (Yrs.)					
								1986	40			283,066	283,066	0
								8/	1986			43,628	43,628	0
1987	100,000	9.30	C	45	2032	1992	0	8/	1986	40	39	43,628	43,628	0
								1987	40		40	56,372	56,372	0
1987	75,000	9.30	K	20	2007	1992	0	9/	1986	20	19	75,000	0	75,000
1987	100,000	8.35	C	5	1992		0	1987	40	40	40	100,000	100,000	0
1987	50,000	8.35	K	5	1992		0	1986	20	19	19	17,917	0	17,917
								1987	20	20	20	32,083	0	32,083
1987	95,000	9.55	C	30	2017	1992	0							
1987	50,000	9.55	C	45	2032	1992	0	1987	40	40	40	11,409	11,409	0
								1988	40	41	41	38,591	38,591	0
1988	150,000	9.50	C	45	2033	1993	0	10/	1988	40	40	58,287	58,287	0
								1989	40	41	41	91,713	91,713	0
1988	90,000	9.90	K	20	2008	1993	0	1987	20	19	19	33,875	0	33,875
								1988	20	19	19	52,485	0	52,485
								1989	20	21	21	3,640	0	3,640
1988	40,000	9.90	C	45	2033	1993	0	1989	40	41	41	40,000	40,000	0
1989	40,000	8.55	K	20	2009		40,000	1989	20	20	20	33,527	0	33,527
1989	75,000	8.95	C	10	1999		0	11/	1989	40	40	75,000	75,000	0

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BONDS ISSUED								ASSOCIATED INVESTMENT						
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	
Fiscal Year	Amount Issued (\$ 000)	Interest Rate (%)	Type of Bond 1/	Term of Bond 1/ (Yrs.)	Date of Maturity (Yr.)	First Call Date (Yr.)	Amount Outstanding (\$ 000)	Yrs. Between Bond Issue			Date and End of Associated Investment Composite Investment Periods	Total Investment (\$ 000) 2/	Investment Functionalized to Transmission (\$ 000)	Investment Functionalized to Generation 3/ (\$ 000)
								Year in Service	Life (Yrs.)	Repayment				
										Periods				
1989	25,000	8.95	F	10	1999		0	1985	15	11	4,318	0	4,318	
								1986	15	12	5,590	0	5,590	
								1987	15	13	4,710	0	4,710	
								1988	15	14	7,726	0	7,726	
								1989	15	15	2,656	0	2,656	
1990	50,000	9.25	C	40	2030	2000	0	19/ 1989	40	39	5,098	5,098	0	
								1990	40	40	44,902	44,902	0	
1991	60,000	7.55	C	4	1995		0	1990	40	39	43,992	43,992	0	
								1991	40	40	16,008	16,008	0	
1991	50,000	7.95	F	5	1996		0	1989	15	13	5,611	0	5,611	
								1990	15	14	16,193	0	16,193	
								1991	15	15	17,680	0	17,680	
								1992	15	16	10,516	0	10,516	
1992	150,000	8.80	C	40	2032	1997	0	12/ 1991	40	39	123,883	123,883	0	
								1992	40	40	26,117	26,117	0	
1992	50,000	7.00	C	5	1997		0	1992	40	40	50,000	50,000	0	
1992	150,000	8.13	C	40	2032	1997	0	13/ 1992	40	40	138,766	138,766	0	
								1993	40	41	11,234	11,234	0	
1992	100,000	7.14	K	15	2007	1997	0	14/ 1990	20	18	27,303	0	27,303	
								1991	20	19	38,697	0	38,697	
								1991	20	19	6,896	0	6,896	
								1992	20	20	27,104	0	27,104	
1993	50,000	6.05	C	5	1998		0	1993	40	40	50,000	50,000	0	
1993	100,000	8.35	C	40	2033	1997	0	1993	40	40	100,000	99,962	38	
1993	130,000	7.80	C	40	2033	1998	0	15/ 1993	40	40	48,345	48,345		
								1994	40	41	81,655	81,655	0	

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BONDS ISSUED								ASSOCIATED INVESTMENT							
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)		
Fiscal Year	Amount of Bonds Issued	Interest Rate	Type of Bond	Term of Bond 1/	Date of Maturity	First Call Date	Amount Outstanding	Investment Composite	Yrs. Between Bond Issue	Date and End of Associated Investment	Total Investment	Investment Functionalized to Transmission	Investment Functionalized to Generation 3/		
Issued	(\$ 000)	(%)	Bond	1/ (Yrs.)	(Yr.)	(Yr.)	(\$ 000)	Year in Service	Life (Yrs.)	Repayment Periods	(\$ 000) 2/	(\$ 000)	(\$ 000)		
1993	100,000	7.50	C	40	2033	1998	0	16/	1994	40	41	100,000	100,000	0	
1993	110,000	6.95	C	40	2033	1998	110,000		1994	40	41	57,405	57,405	0	
									1995	40	42	52,595	52,595		
1993	50,000	8.05	K	20	2012		0		1992	20	19	47,564		47,564	
									1993	20	20	2,436		2,436	
1993	50,000	7.40	K	20	2013	1998	0	17/	1993	20	20	50,000	0	50,000	
1993	40,000	6.75	K	20	2013	1998	0		1993	20	20	40,000	0	40,000	
1993	20,000	6.95	F	15	2008	1998	0		1992	15	14	662	0	662	
									1993	15	15	17,338	0	17,338	
									1994	15	16	2,000		2,000	
1994	50,000	6.85	C	40	2033	1998	50,000		1995	40	41	50,000	50,000	0	
1994	50,000	7.05	C	40	2034	1999	50,000		1995	40	41	50,000	50,000	0	
1994	50,000	8.20	C	40	2034	1999	0		1995	40	41	50,000	50,000	0	
1994	55,000	7.65	C	5	1999	1995	0		1995	40	41	55,000	55,000	0	
1994	50,000	6.75	K	20	2014	1999	13,300		1993	19	19	5,474		5,474	
									1994	20	20	44,526		44,526	
1994	50,000	7.10	K	4	1998	1995	0	18/	1994	20	20	50,000		50,000	
1994	20,000	7.65	F	5	1999	1995	0		1994	15	15	18,487		18,487	
									1995	15	16	1,513		1,513	
1995	55,000	8.35	C	6	2001	1996	0		1995	40	40	32,559	32,559	0	
									1996	40	41	22,441		22,441	
1995	50,000	7.70	C	30	2025	2000	34,976		1996	40	41	50,000	49,933	67	
1995	65,000	7.70	C	30	2025	2000	0		1996	40	41	65,000	65,000	0	

BONDS ISSUED								ASSOCIATED INVESTMENT							
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)		
Fiscal Year <u>Issued</u>	Amount of Bonds <u>Issued</u> (\$ 000)	Interest Rate <u>%</u>	Type of Bond <u>Bond</u> 1/	Term of Bond <u>Yrs.</u>	Date of Maturity <u>Yr.</u>	First Call Date <u>Yr.</u>	Amount Outstanding (\$ 000)	Year in Service <u>Yrs.</u>	Investment Composite	Yrs. Between Bond Issue		Investment Functionalized Total (\$ 000)	Investment Functionalized to Transmission (\$ 000)	Investment Functionalized to Generation 3/ (\$ 000)	
										Date and End of Associated Investment					
										Repayment Periods					
1995	85,000	7.50	K	20	2015	2000	0	1994	20	19	18,962	0	18,962		
								1995	20	20	66,038	0	66,038		
1995	35,000	7.20	F	15	2010	2000	0	1995	15	15	30,973	0	30,973		
								1996	15	16	4,027	0	4,027		
1995	35,000	7.50	B	20	2015	2000	0	1995	45	45	35,000	0	35,000		
1996	60,000	5.90	C	7	2003		60,000	1996	40	40	9,512	9,512	5,622		
								1997	40	41	44,866	44,866			
1996	30,000	6.70	K	15	2011	2001	30,000	1995	20	19	7,469		7,469		
								1996	20	20	22,531		22,531		
1996	70,000	7.05	C	10	2006		70,000	1997	40	41	70,000	70,000	0		
1997	40,000	7.20	K	20	2001		0	1996	20	19	16,195		16,195		
								1997	20	20	20,336		20,336		
								1998	20	21	3,469		3,469		
1997	40,000	6.95	E	15	2011	2001	40,000	1997	15	15	40,000	40,000			
1997	30,000	6.80	C	7	2004		30,000	1997	40	40	30,000	22,600	7,400		
1997	80,000	6.90	C	8	2005		80,000	1997	40	40	41,085	41,085			
								1998	40	41	38,915	38,915			
1997	50,000	6.50	B	3	2000		0	1997	45	45	50,000		50,000		
1998	60,000	6.10	F	15	2013		60,000	1997	15	14	28,064		28,064		
								1998	15	15	21,995		21,995		
								1999	15	16	2,922		8,903		
1998	50,000	6.65	C	30	2028	2008	50,000	1998	40	40	50,000	50,000			
1998	25,000	6.00	B	10	2008		25,000	1998	45	45	25,000		25,000		
1998	40,000	5.75	C	10	2008		40,000	1998	40	40	36,819	36,819	3,181		

BONDS ISSUED								ASSOCIATED INVESTMENT							
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)		
Fiscal Year	Amount of Bonds Issued	Interest Rate	Type of Bond	Term of Bond 1/	Date of Maturity	First Call Date	Amount Outstanding (\$ 000)	Year in Service	Investment Composite	Date and End of Associated Investment	Yrs. Between Bond Issue			Investment Functionalized to Transmission (\$ 000)	Investment Functionalized to Generation 3/ (\$ 000)
											Investment	Functionalized	Total to Transmission		
1999	60,000	5.90	C	15	2014		60,000	1998	40	39	24,206	24,206			
								1999	40	40	35,794	34,844		950	
1999	40,000	6.20	C	3	2002		0	1999	40	40	40,000	40,000			
1999	20,000	6.30	F	4	2003		20,000	1999	15	15	11,826			11,826	
								2000	15	16	8,174			8,174	
1999	20,000	6.40	B	5	2004		20,000	1999	45	45	20,000			20,000	
2000	40,000	6.40	C	3	2002		40,000	1999	40	39	40,000	40,000			
2000	40,000	6.85	B	3	2003		40,000	2000	45	45	40,000			40,000	
2000	32,000	6.95	K	3	2003		32,000	1998	20	18	10,685			10,685	
								1999	20	19	12,424			12,424	
								2000	20	20	347			347	
								2001	20	21	57			57	
								2002	20	22	8,487			8,487	
2000	50,000	7.00	C	4	2004		50,000	1999	40	39	11,394			11,394	
								2000	40	40	38,606	27,658		10,948	
2000	40,000	6.75	C	6	2006		40,000	2000	40	40	40,000	40,000			
2000	20,000	6.70	B	5	2005		20,000	2000	45	45	10,389			10,389	
								2001	45	46	9,611			9,611	
2001	20,000	5.65	C	4	2005		20,000	2000	40	39	20,000	20,000			
2001	25,000	5.65	F	4	2005		25,000	2000	15	14	5,724			5,724	
								2001	15	15	16,494			16,494	
								2002	15	16	2,782			2,782	
2001	30,000	6.05	E	9	2010		30,000	1999	15	13	10,517			10,517	
								2000	15	14	9,394	9,394			
								2001	15	15	10,089	10,089			
2001	60,000	6.05	C	9	2010		60,000	2000	40	39	17,299			17,299	
								2001	40	40	42,701	42,633			

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BONDS ISSUED								ASSOCIATED INVESTMENT						
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	
								Yrs. Between Bond Issue						
Fiscal Year	Amount of Bonds Issued	Interest Rate	Type of Bond	Term of Bond 1/	Date of Maturity	First Call Date	Amount Outstanding	Investment Composite	Date and End of Associated Investment	Investment Functionalized		Investment Functionalized		
Issued	(\$ 000)	(%)	Bond 1/	(Yrs.)	(Yr.)	(Yr.)	(\$ 000)	Year in Service	Life (Yrs.)	Periods	Total (\$ 000) 2/	To Transmission (\$ 000)	To Generation 3/ (\$ 000)	
2001	50,000	4.75	B	3	2004		50,000	2001	45	45	15,114		15,114	
								2002	45	46	34,886		34,886	
2001	25,000	5.95	C	10	2011		25,000	2000	40	40	25,000	25,000		
2001	50,000	5.75	C	10	2011		50,000	2000	40	40	50,000	50,000		
2002	110,000	4.60	C	3	2005		110,000	2001	40	39	34,512	34,512		
								2002	40	40	75,488	73,498	1,990	
2002	30,000	4.60	B	3	2005		30,000	2002	45	45	451		451	
								2003	45	46				
2002	100,000	3.05	C	4	2006		100,000	2002	40	40	100,000	100,000		
2002	40,000	3.75	K	3	2005		40,000	2002	20	20	19,740		19,740	
								2003	20	21				
2002	60,000	3.75	C	3	2005		60,000	2002	40	40	60,000	60,000		
2002	30,000	3.05	E	4	2006		30,000	2001	15	14	2,002	2,002		
								2002	15	15	8,651	8,651		
								2003	15	16				
2002	20,000	3.05	B	4	2006		20,000	2003	45					

1/ C = Construction, K = Conservation, F = Fish &amp; Wildlife/Environment, B = Corps and Bureau.

2/ BPA's Annual Report, Balance Sheet, change from previous year.

3/ All construction bond allocations prior to 1993, and all but some small amounts after that were refunctionalized to Transmission as a result of separation of businessline separation (See 2002 Initial Power Rate Proposal Direct Testimony, DeWolf et al, WP-02-E-BPA-13, Sections 6 and 7.

- 4/ Refinanced on 7/31/87 with \$95,000 issued at 9.55%, 30 year term, due on 2017.
- 5/ Refinanced on 2/29/88 with \$43,700 issued at 9.50%, 30 year term, due on 2018.
- 6/ Refinanced on 9/30/89 with \$66,000 issued at 8.60%, 6 year term, due on 1995, and refinanced on 9/30/89 with \$66,000 issued at 8.65%, 13 year term due on 2002.
- 7/ Refinanced on 8/31/92 with \$107,800 issued at 6.60%, 8 year term, due on 2000 and refinanced on 8/31/92 with \$107,700 issued at 7.25%, 15 year term, due on 2007, and refinanced on 5/31/94 with \$40,000 issued at 7.10% 4 year term due on 1998.
- 8/ Refinanced on 4/30/92 with \$80,000 issued at 6.20%, 3 year term, due on 1995 and refinanced on 4/30/92 with \$28,300 issued at 7.00%, 5 year term, due on 1997.
- 9/ Refinanced on 7/31/92 with \$80,200 issued at 5.80%, 5 year term, due on 1997.
- 10/ Refinanced on 10/31/93 with \$100,000 issued at 6.85%, 40 year term, due on 2033 and refinanced on 5/31/94 with \$50,000 issued at 7.10%, 4 year term, due on 1999.
- 11/ Amortized \$48,800 and refinanced \$26,200 on 5/31/99 at 5.95%, 5 year term, due 2004
- 12/ Amortized \$46,700 on 7/31/97 and refinanced \$111,300 on 8/31/97 at 6.65%, 10 year term, due 2007
- 13/ Refinanced \$75,300 on 4/30/98 at 6.0%, 10 year term due 2008; amortized \$11,800 and refinanced \$72,700 on 5/31/98 at 6.0%, 11 year term , due 2009
- 14/ Refinanced \$104,300 on 9/30/98 at 5.3%, 10 year term, due 2008
- 15/ Refinanced \$40,000 on 5/31/98 at 6.2%, 13 year term, due 2011; and \$98,900 at 6.7%, 34 year term, due 2032, 2008 call
- 16/ Refinanced \$106,500 8/31/98 at 5.85%, 30 year term, due 2028
- 17/ Refinanced \$52,800 9/30/98 at 5.6%, 15 year term, due 2013
- 18/ Amortized \$12,300 on 9/30/96; refinanced \$37,700 5/31/98 at 6.0%, 11 year term, due 2009
- 19/ Refinanced on 1/31/00 with \$53,500 at 7.15%, 5 year term, due 2005
- 20/ Refinanced again on on 8/31/98 with \$112,300 at 5.85%, 30 year term, due 2028, and on 8/31/00 with \$15,300 at 6.85%, 3 year term, due 2003

Table C-2

## Association of Transmission Construction

Funded by Bonds <sup>1/</sup>

FY 1977 - FY 2002

(\$ Thousands)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Fiscal Year	Plant in Service <sup>2/</sup>	Amount Funded by Bonds	Amount of Bond Sales	Amount Outstanding	Interest Rate	Term	Year Due	Refinancing Date	Refinancing Amount
1977	171,038	100,800 50,000 <u>20,238</u> <u>171,038</u>	<sup>3/</sup>						
1978	90,494	54,762 <u>35,732</u> <u>90,494</u>	50,000	0	8.95	35	2013		
1979	67,649	14,268 <u>53,381</u> <u>67,649</u>	75,000 50,000	0 0	9.45 9.90	35 35	2014 2014		
1980	48,043	48,043	115,000	0	13.00	35	2015		
1981	253,151	13,576 175,000 50,000 <u>14,575</u> <u>253,151</u>	175,000	0	16.60	35	2016		
1982	92,111	85,425 6,686 <u>92,111</u>	50,000 100,000 <u>85,000</u>	0 0 0	14.40 14.40 14.15	35 35 35	2017 2017 2017	7/31/1987	85,000 <sup>4/</sup>
1983	149,133	78,314 40,000 30,000 30,000 <u>819</u> <u>149,133</u>	40,000 30,000 45,000	0 0 0	10.85 11.70 12.25	35 35 35	2018 2018 2018	2/29/1988	40,000 <sup>5/</sup>
1984	235,214	44,181 30,000 60,000 100,000 <u>1,033</u> <u>235,214</u>	30,000 60,000	0 0	12.30 13.05	35 35	2019 2019		
1985	115,901	98,967 <u>16,934</u> <u>115,901</u>	100,000	0	11.25	45	2030		
1986	326,694	283,066 43,628 <u>326,694</u>	100,000 300,000	0 0	8.15 8.95	10 45	1996 2031	8/31/1992 8/31/1992 5/31/1994	100,000 100,000 40,000 <sup>7/</sup> <sup>8/ 20/</sup> <sup>11/</sup>

1987	167,781	56,372	100,000	0	9.30	45	2032	4/30/1992	100,000	<b>6/</b>
		100,000	100,000	0	8.35	5	1992			
		<u>11,409</u>	50,000	0	9.55	45	2032			
		<u>167,781</u>								
1988	96,878	38,591	150,000	0	9.50	45	2033	10/31/1993	100,000	<b>10/</b>
		<u>58,287</u>	40,000	0	9.90	45	2033	5/31/1994	50,000	<b>11/</b>
1989	211,811	91,713	75,000	0	8.95	10	1999	5/31/1999	26,200	<b>23/</b>
		40,000								
		75,000								
		<u>5,098</u>								
		<u>211,811</u>								
1990	88,894	44,902	50,000	0	9.25	40	2030	1/31/2000	50,000	<b>24/</b>
		<u>43,992</u>								
		<u>88,894</u>								
1991	139,891	16,008	60,000	0	7.55	4	1995			
		<u>123,883</u>								
		<u>139,891</u>								
1992	214,883	26,117	150,000	0	8.80	40	2032	8/31/1997	103,300	<b>15/</b>
		50,000	50,000	0	7.00	5	1997			
		<u>138,766</u>	150,000	0	8.13	40	2032	4/30/1998	70,300	<b>16/</b>
		<u>214,883</u>						5/31/1998	67,900	<b>17/ 26/</b>
1993	209,541	11,234	50,000	0	6.05	5	1998			
		50,000	99,962	0	8.35	40	2033			
		<u>99,962</u>	130,000	0	7.80	40	2033	5/31/1998	40,000	<b>18/</b>
		48,345	100,000	0	7.50	40	2033	8/31/1998	90,000	<b>18/</b>
		<u>110,000</u>	110,000	110,000	6.95	40	2033		100,000	<b>19/</b>
		<u>209,541</u>								
1994	239,060	81,655	50,000	50,000	6.85	40	2034			
		100,000	50,000	50,000	7.05	40	2034			
		<u>57,405</u>	50,000	0	8.20	40	2034			
		<u>239,060</u>	55,000	0	7.65	5	1999			
1995	290,154	52,595	55,000	0	8.35	6	2001			
		50,000	49,933	12/	34,976	7.70	30	2025		
		50,000	65,000	0	7.70	30	2025			
		50,000								
		55,000								
		<u>32,559</u>								
		<u>290,154</u>								
1996	146,886	22,441	54,378	13/	54,378	5.90	7	2003		
		49,933	70,000	70,000	7.05	10	2006			
		65,000								
		<u>9,512</u>								
		<u>146,886</u>								
1997	178,551	44,866	22,600	14/	22,600	6.80	7	2004		
		70,000	80,000	80,000	6.90	8	2005			
		22,600								
		<u>41,085</u>								
		<u>178,551</u>								

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1998	149,940	38,915	50,000	50,000	6.65	30	2028	
		50,000	36,819	21/	36,819	5.75	10	2008
		36,819						
		24,206						
		149,940						
1999	126,238	34,844	59,050	22/	59,050	5.90	15	2014
		40,000	40,000		0	6.20	3	2002
		51,394						
		126,238						
2000	104,957	27,658	40,000		40,000	6.40	3	2002
		40,000	39,052	25/	39,052	7.00	4	2004
		37,299	40,000		40,000	6.75	6	2006
		104,957						
2001	126,298	42,633	20,000		20,000	5.65	4	2005
		25,000	59,932	27/	59,933	6.05	9	2010
		50,000	25,000		25,000	5.95	10	2011
		8,665	50,000		50,000	5.75	10	2011
		126,298						
2002	273,625	99,345	108,010	28/	105,342	4.60	3	2005
		100,000	100,000		60,000	3.75	3	2005
		60,000	60,000		100,000	3.05	4	2006
		14,280	29/					
		273,625						

- 1/ These investments have an estimated average service life of 40 years and a maximum repayment period of 40 years
- 2/ BPA's Summary Financial data, Analysis of Funds Returned to the U.S Treasury and Cash Amortization Table change in Total column from previous year
- 3/ Funded by appropriations (Reference WP-89-E-BPA-01A1, Documentation for the Revenue Requirement Study - Volume 1, 1989 Rate Proposal, page 195)
- 4/ Refinanced on 7/31/87 with \$ 95,000 issued at 9.55%, 30 year term, due 2017
- 5/ Refinanced on 2/29/88 with \$43,700 issued at 9.50%, 30 year term, due 2018
- 6/ Refinanced on 4/30/92 with \$80,000 issued at 6.20%, 3 year term, due 1995; and \$28,300 issued at 7.00%, 5 year term, due 1997
- 7/ Refinanced on 8/31/92 with \$107,800 issued at 6.60%, 8 year term, due 2000
- 8/ Refinanced on 8/31/92 with \$107,700 issued at 7.25%, 15 year term, due 2007
- 9/ \$100,000 bond, \$38 functionalized to Generation 1993
- 10/ Refinanced on 10/31/93 with \$108,400 issued at 6.85%, 40 year term, due 2033.
- 11/ Refinanced on 5/31/94 with \$97,100 issued at 7.1%, 4 year term, due 1998 (this new bond also refinanced one other bond
- 12/ \$50,000 bond, \$67 functionalized to Generation 1995
- 13/ \$60,000 bond, \$5,622 functionalized to Generation 1996
- 14/ \$30,000 bond, \$7,400 functionalized to Generation 1997
- 15/ Refinanced on 8/31/97 with \$111,300 at 6.65% for 10 year term, due 2007.
- 16/ Refinanced on 4/30/1998 with \$75,300 issued at 6.0%, 10 year term, due 2009
- 17/ Refinanced on 5/31/98 with \$72,700 at 6.00% for 11 year term, due 2009 and \$40,000 at 6.20% for 13 year term, due 2011.
- 18/ Refinanced on 5/31/98 with \$40,000 issued at 6.20% for 13 year term, due 2011; and refinanced on 5/31/98 with \$98,900 issued at 6.70%, 34 year term, due 2032
- 19/ Refinanced on 8/31/98 with \$106,500 at 5.85% for 30 year term, due 2028
- 20/ Refinanced again on 8/31/98 with \$112,300 at 5.85%, 30 year term, due 2028
- 21/ \$40,000 bond, \$3,181 functionalized to Generation 1998
- 22/ \$60,000 bond, \$950 functionalized to Generation 1999
- 23/ Refinanced on 5/31/99 with \$26,200 issued at 5.95%, 5 year term, due 2004
- 24/ Refinanced on 1/31/2000 with \$53,500 issued at 7.15%, 5 year term, due 2005
- 25/ \$50,000 bond, \$10,948 functionalized to Generation 2000
- 26/ Refinanced on 8/31/00 with \$15,300 at 6.85% for 3 year term, due 2003
- 27/ \$60,000 bond, \$68 functionalized to Generation 2001
- 28/ \$110,000 bond, \$1,990 functionalized to Generation 2002
- 29/ This amount not yet financed through long-term bonds

Table C-3

**Association of Environment Investment  
Funded by Bonds  
FY 1995 - 2002  
(\$ Thousands)**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Fiscal Year	Plant in Service	Amount Funded by Bonds	Amount of Bond Sales	Amount Outstanding	Interest Rate	Term	Year Due	Refinancing Date	Amount
1995	16,014	16,014							
1997	40,000	40,000	—	40,000	40,000	6.95	15	2011	
1999	10,517	10,517							
2000	9,394	9,394							
2001	12,091	10,089	30,000	30,000	6.05	9	2010		
		2,002							
		12,091							
2002	8,651	8,651	—	30,000	30,000	3.06	4	2006	

1/ Funded by construction bond

**Table C-4**

**BPA Projected Transmission Federal Borrowing**  
**FY 2003 - 2005**  
**(*\$ 000s*)**

<b>FY Year</b>	<b>Description</b>	<b>Interest</b>		<b>Total</b>	
		<b>Rate</b>	<b>Term</b>	<b>Borrowing</b>	
2003	Construction	6.58	35	359,597	<sup>1/</sup>
	Environment	6.06	15	2,675	<sup>2/</sup>
2004	Construction	7.01	35	316,633	<sup>3/</sup>
	Environment	6.56	15	<u>7,369</u>	
				324,002	
2005	Construction	7.18	35	267,831	<sup>4/</sup>
	Environment	6.77	15	<u>5,414</u>	
				273,245	

<sup>1/</sup> Capital projection is \$329,397, but assumes cashing in of \$30,200 in deferred borrowing carried over from 2002

**STATEMENT C – APPENDIX 1**

## INTEREST RATE AUTHORITIES

### **Bonds Issued by Bonneville Power Administration to US Treasury**

In 1974 the Federal Columbia River Transmission System Act, 13(a), 16 U.S.C. 838(a) (1982), established BPA as a self-financed agency, authorized the sale of bonds to the US Treasury, and specified an interest rate policy. The Act states:

Such bonds shall bear interest at a rate determined by the Secretary of the Treasury taking into consideration the current average market yield on outstanding marketable obligations of the United States of comparable maturities, plus an amount in the judgment of the Secretary of the Treasury to provide for a rate comparable to the rates prevailing in the market for similar bonds.

16 U.S.C. 838k(a). The present interest rate policy for BPA bonds was established on December 5, 1980, by the Pacific Northwest Electric Power Planning and Conservation Act, Pub. L. No. 96-501, 8(d)(2), 94 Stat. 2697, 2729 (1980), which revised the language of 16 U.S.C. 838k(a), in pertinent part, as follows:

Such bonds shall bear interest at a rate determined by the Secretary of the Treasury taking into consideration the current average market yield on outstanding marketable obligations of the United States of comparable maturities, plus an amount in the judgment of the Secretary of the Treasury to provide for a rate comparable to the rates prevailing in the market for similar bonds issued by Government corporations.  
[Emphasis added.]

Other terms of the bonds are prescribed by the Secretary of Treasury under authority of Section 13 of the Transmission System Act.

### **Interest Rate Assignment**

In April 1996 Congress passed and the President signed the BPA Appropriations Refinancing Act (the Act) as part of an omnibus FY 1996 Appropriations Act. *See Chapter 9 of the Revenue Requirement Study, Documentation Volume 1 (WP-96-FS-BPA-02A).* *See also* Administrator's ROD, WP-96-A-02, Section 4.1.3. Under the Act, principal outstanding on each FCRPS capital investment as of the end of FY 1996 was reset on October 1, 1996:

- ?? At the present value of the principal and interest payments BPA would pay to the U.S. Treasury in the absence of the Act, assuming that: (1) outstanding principal is paid in full at the end of the investment's repayment period; (2) interest is paid at either the interest rates assigned by Administrator by the end of FY 1994 or, in the case of investments placed in service in FY 1995 and FY 1996, at the Treasury yield curve rates prevailing in September 1994 and September 1995, respectively,
- ?? Plus: a prorata share of \$100 million.

Subsection (b)(1)(A) and (B) and (b)(3).

The discount rate used to determine the present value of each investment's principal and interest payments was a:

... rate determined by the Secretary of the Treasury, taking into consideration prevailing market yields, during the month preceding October 1, 1996, on outstanding interest-

bearing obligations to the United States with periods to maturity comparable to the period between October 1, 1996, and the repayment date of the (investment).

Subsection (a)(6)(A) of the Act.

The new principal amount for each capital investment was assigned an interest rate that was the same as the discount rate used to reset the principal. Subsection (c) of the Act.

The Act also prescribes the rate and method to be used to calculate interest during construction (IDC) for construction work in progress (CWIP) on investments funded by appropriations beginning in FY 1997. Subsection (f)(1) of the Act requires that:

The principal amount of a new capital investment includes interest in each fiscal year of construction of the related project, facility, or separable unit or feature at a rate equal to the one-year rate for the fiscal year on the sum of -- (A) construction expenditures that were made from the date construction began through the end of the fiscal year, and (B) accrued interest during construction.

Subsection (f)(3) defines “one-year rate” as

For the purposes of this section, “one-year rate” for a fiscal year means a rate determined by the Secretary of the Treasury, taking into consideration prevailing market yields, during the month preceding the beginning of the fiscal year, on outstanding interest-bearing obligation of the United States with periods to maturity of approximately one-year.

The Act also specifies the basis for interest rate assignments to investments placed in service after September 30, 1996. Interest rates are to be based on the Treasury yield curve prevailing in September prior to the fiscal year investment is placed in service. The yield curve rate assigned to an investment is based on a correlation between debt maturities on the curve and the expected service life of the investment. Subsection (g) of the BPA Refinancing Act states

[T]he unpaid balance on the principal amount of a new capital investment bears interest at the Treasury rate for the new capital investment from the date that the related project, facility or separable unit or feature is placed in service until the earlier of the date the new capital investment is repaid or the repayment date for the new capital investment.

Subsection (a)(6)(B) defines Treasury rate in this context as:

. . . a rate determined by the Secretary of the Treasury, taking into consideration prevailing market yields, during the month preceding the beginning of the fiscal year in which the related project, facility, or separable unit or feature is placed in service, on outstanding interest-bearing obligations of the United States with periods to maturity comparable to the period between the beginning of the fiscal year and the repayment date for the new investment.

Thus, beginning in FY 1997, the Act superseded BPA’s traditional practice for calculating IDC and assigning interest rates for investments financed by appropriations. IDC is no longer calculated separately for each investment using the prior-year, average long term rate that prevailed in the year the investment’s construction was initiated, as specified in RA 6120.2, Section 11, “Interest Rate Formula”. Rather, the same, prevailing one-year rate is applied to all appropriated investment CWIP balances. Further, the prior-year, average long-term rate that is used to calculate IDC is no longer assigned to investments when placed in service. Rather, the yield curve prevailing in September of each year is used to assign interest rates to investments placed in service in the following fiscal year, with rates from the curve appropriate to investments’ expected service lives.

**Statement C - Appendix 1**

**TABLE 1**

**HISTORICAL INTEREST RATES APPLICABLE TO THE BUREAU OF RECLAMATION  
AND TO THE DEPARTMENT OF ENERGY'S POWER MARKETING ADMINISTRATIONS**

Fiscal Year	Formulation Rates		Repayment Rates			Power	
	A-47 1/	WRC or S.D. 97 2/	WS Act	CRSP 3/	Small Projects 4/	Power DM-730 5/	DM-730 & RA 6120.2 5/
	Bureau of Reclamation						APA, SEPA, SWPA & WAPA
1957	2.500			2.875	3.000		2.500
1958	2.500		2.587	3.625	3.375		2.500
1959	2.500		2.670	3.250	3.125		2.500
1960	2.500		2.699	4.125	4.125		2.500
1961	2.625		2.632	2.632	4.125		2.500
1962	2.625	2.625	2.742	2.742	3.750		2.500
1963		2.875	2.936	2.936	3.875		2.500
1964		3.000	3.046	3.046	4.000		2.875
1965		3.125	3.137	3.137	4.125		3.000
1966		3.125	3.222	3.222	4.125		3.125
1967		3.125	3.225	3.225	4.625/3.250		3.125
1968		3.250	3.253	3.253	3.250		3.125
1969		3.250/4.625	3.256	3.256	3.250		3.250
1970		4.875	3.342	3.342	3.375	4.875	3.250
1971		5.125	3.463	3.463	3.500	5.375 11/	11/ 4.875
1972		5.375	3.502	3.502	3.500	5.875	5.375
1973		5.500	3.649	3.649	3.625	5.500	5.875
1974		5.625/6.875 6/ 7/	4.012	4.012	4.000	5.625	5.000
1975		5.875	4.371	4.371	4.375	6.125	5.625
1976		6.125	5.116	5.116	5.125	6.625	6.125
1977		6.375	5.683	5.683	5.625	8/	7.000 8/ 10/
1978		6.625	6.063	6.063	6.125		7.000 8.950 9/
1979		6.875	6.595	6.595	6.625		7.500 9.630 9/
1980		7.125	7.210	7.210	7.250		8.000 13.000 9/
1981		7.375	8.605	8.605	8.625		8.500 16.600 9/
1982		7.625	9.352	9.352	9.375		9.000 14.310 9/
1983						9.500	11.940 9/
1984						10.750 12/	12.960 9/
1985						12.375	10.880 9/
1986						11.375	8.600 9/
1987						8.875	9.080 9/
1988						8.500	9.660 9/
1989						9.250	8.730 9/
1990						8.875	9.250 9/
1991						8.500	7.732 9/
1992						7.870	8.008 9/
1993							7.458 9/
1994							7.158 9/
1995							7.682 9/
1996 and after							13/

**Statement C - Appendix 1**  
**TABLE 1 (Cont.)**

**HISTORICAL INTEREST RATES APPLICABLE TO THE BUREAU OF RECLAMATION  
AND TO THE DEPARTMENT OF ENERGY'S POWER MARKETING ADMINISTRATIONS**

**FOOTNOTES:**

- 1/ Coupon rate rounded down. Budget Circular A-47, Dec. 31, 1952 (rescinded May 15, 1962).
- 2/ Prior to Dec. 24, 1968, coupon rate rounded, S.D. 97, 1962. Following that date, WRC directive specifies constrained yield rate rounded. Federal Register, December 24, 1968.
- 3/ For years 1960 and earlier, yield rate rounded. P.L. 84-485, Apr. 11, 1956. For years following 1960, coupon rate. P.L. 86-529, June 27, 1960.
- 4/ Prior to Sept. 2, 1966, yield rate rounded. P.L. 84-984, Aug. 6, 1956. Following that date, coupon rate rounded. P.L. 89-553, Sept. 2, 1966.
- 5/ Department Manual 730 (change limited to 1/2 percent per year) (average yield is rounded to nearest 1/8 percent). In DOE, DM 730 was replaced by RA 6120.2, dated 9/20/79. Interest rates as shown are applicable except as covered by law.
- 6/ New Guidelines, Principles and Standards, effective 10/25/73.
- 7/ Revised by P.L. 93-251, Water Resources Development Act of 1974, dated 3/7/74.
- 8/ The DOE Act., P.L. 95-91, dated Aug. 4, 1977, transferred the power marketing functions of the Bureau of Reclamation, DOI to the DOE; and transferred the BPA, SEPA, SWPA, and APA from DOI to DOE.
- 9/ BPA interest rate negotiated; average interest rate weighted by total long-term bonds issued.
- 10/ No long-term bonds were issued in FY 1977.
- 11/ Power DM-730 and RA 6120.2; U.S. Treasury Rates:

FY	Yield Rate	Yield Rate Rounded
1971	6.420	6.375
1972	6.070	6.125
1973	5.550	5.500
1974	5.670	5.625
1975	6.500	6.500
1976	6.946	7.000
1977	6.947	7.000
1978	6.942	7.000
1979	7.585	7.625

FY	Yield Rate	Yield Rate Rounded
1980	8.230	8.250
1981	10.189	10.250
1982	12.388	12.375
1983	13.000	13.000
1984	10.710	10.750
1985	12.380	12.375
1986	11.400	11.375
1987	8.890	8.875
1988	8.470	8.500

FY	Yield Rate	Yield Rate Rounded
1989	9.200	9.250
1990	8.910	8.875
1991	8.690	8.750
1992	8.500	8.500
1993	7.870	7.875
1994	7.080	7.125
1995	7.580	7.625

12/ The one-half percent yearly cap was removed.

13/ 1996 BPA Refinancing Act; interest rate based on Treasury yield curve (corresponding to the expected service lives) prevailing in September of each year.

**STATEMENT C – APPENDIX 2**

## **Statement C - Appendix 2**

**Transmission**  
**Analysis of Funds Returned to the United States Treasury For Cash Amortization**  
**Cumulative through September 30, 2002**  
**(\\$ Thousands)**

	<b><u>Cumulative Cash Amortization</u></b>
<b>Transmission Business Line</b>	<b>2,187,793</b>

Source: BPA Repayment Database

Notes: This table shows the cumulative amount of amortization paid through FY 2002.  
Statement D shows the amortization paid by year for the last 5 years of the historical period and through the cost evaluation period.

**STATEMENT D**

## STATEMENT D

### INTRODUCTION

The requirements for Statement D appear as follows:

(4) Statement D - Interest Expenses; Repayment of Investment and Debt Capital.

- (i) For each capitalized investment and cost listed in Statement C, Statement D must describe, by interest group:
  - (A) The total unpaid balance outstanding at the end of the historic period;
  - (B) Payments made on principal and interest during each of the last 5 years of the historic period; and
  - (C) Annual payments expected to be made through the cost evaluation period.
- (ii) The statement must describe how the interest expense was determined for each type of investment and include examples of such computations.

18 C.F.R. 300.11(b)(4).

Statement D describes, by interest rate group, the annual payments projected through the rate test period for each capitalized investment listed in Statement C, as of September 30, 2002. Column A shows the applicable interest rate. Column B specifies the projects in the FCRTS. Column C provides the date the Federal investment was made. Column D provides the year in which repayment is due to be completed. Column E displays the total capitalized amount of each investment related to a particular project. Column F lists the unpaid balance of the Federal investment as of September 30, 2002. (This is the same as Column I in Statement C.) Column G lists the years of the historic period through the end of the cost evaluation period during which principal and interest payments or refinances have been or will be made. Column H indicates the annual interest expense associated with the unpaid balance of the Federal transmission investment. Column I shows the amount of bond premiums incurred when the bond is paid off. Column J provides the annual principal payments made or expected to be made. Column K shows any amounts refinanced during the years of the historic period through the end of the cost evaluation period.

Totals of interest expense for transmission are provided for each of the last 5 historical years and for each year of the rate test period. The interest expense is determined by multiplying the unpaid balance by the appropriate interest rate.

Table D-1 was prepared to assist the Commission in tracking each of the components comprising the Net Interest Expense in BPA's transmission revenue requirements. It provides the component details of: gross interest expense; bond premium, both bond call premiums and the amortization of capitalized bond premiums; interest income on funds collected during the fiscal year for payments to Treasury at the end of the year for interest and amortization; the Allowance for Funds Used During Construction (AFUDC); the capitalization adjustment resulting from the Appropriations Refinancing Act; and the interest income on cash balances (reserves) *see* Revenue Requirement Study Documentation, Chapter 4, TR-04-FS-BPA-01A. This detail is provided for the 5 years of historic data, the cost evaluation period, and each year of the repayment period.

**STATEMENT D  
INVESTMENT AS OF  
SEPTEMBER 30, 2002**

**BONNEVILLE POWER ADMINISTRATION**  
**TRANSMISSION REPAYMENT STUDY**  
*OCTOBER 1, 2003 - SEPTEMBER 30, 2005 COST EVALUATION PERIOD*  
*2004 FP, \$15m rf, 15-yr 02 bnd, CapRed '03, \$1.5m Shift 04 to 05 3-27-03*

**STATEMENT D**

(\$000s)

A	B	C	D	E	F	G	H	I	J	K
Rate Project		In Service	Due	Original	Balance	Year (to be) Paid	Interest Paid	Premium Paid	Principal Paid	Refinanced
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1940	1985	6,812						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1941	1986	461						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1941	1986	18,906						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1942	1987	1,052						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1942	1987	8,446						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1943	1988	4,538						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1943	1988	16,083						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1944	1989	249						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1944	1989	583						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1945	1990	1,306						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1945	1990	3,366						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1946	1991	732						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1946	1991	2,488						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1947	1992	1,330						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1947	1992	1,773						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1948	1993	2,290						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1948	1993	7,468						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1949	1994	2,719						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1949	1994	6,809						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1950	1995	6,124						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1950	1995	24,111						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1951	1996	7,040						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1951	1996	13,266						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1952	1997	8,979						
2.5000000%	BONNEVILLE POWER ADMINISTRATION	1952	1997	18,610						
 2.5000000% SUB-TOTAL										
3.0500000%	ENVIRONMENT	2002	2006	30,000	30,000	1998	915			
						1999	915			
						2000	915			

					2001	915
					2002	915
					2003	915
					2004	915
					2005	915
3.0500000%SUB-TOTAL					1998	915
3.0500000%SUB-TOTAL					1999	915
3.0500000%SUB-TOTAL					2000	915
3.0500000%SUB-TOTAL					2001	915
3.0500000%SUB-TOTAL					2002	915
3.0500000%SUB-TOTAL					2003	915
3.0500000%SUB-TOTAL					2004	915
3.0500000%SUB-TOTAL					2005	915
5.6500000%BPA PROGRAM	2001	2005	20,000	20,000	1998	1,130
					1999	1,130
					2000	1,130
					2001	1,130
					2002	1,130
					2003	1,130
					2004	1,130
					2005	1,130
						20,000
5.6500000%SUB-TOTAL					1998	1,130
5.6500000%SUB-TOTAL					1999	1,130
5.6500000%SUB-TOTAL					2000	1,130
5.6500000%SUB-TOTAL					2001	1,130
5.6500000%SUB-TOTAL					2002	1,130
5.6500000%SUB-TOTAL					2003	1,130
5.6500000%SUB-TOTAL					2004	1,130
5.6500000%SUB-TOTAL					2005	1,130
5.7500000%BPA PROGRAM	1998	2008	36,819	36,819	1998	2,117
					1999	2,117
					2000	2,117
					2001	2,117
					2002	2,117
					2003	2,117
					2004	2,117
					2005	2,117
5.7500000%BPA PROGRAM	2001	2011	50,000	50,000	1998	2,875

					1999	2,875
					2000	2,875
					2001	2,875
					2002	2,875
					2003	2,875
					2004	2,875
					2005	2,875
5.7500000%SUB-TOTAL					1998	4,992
5.7500000%SUB-TOTAL					1999	4,992
5.7500000%SUB-TOTAL					2000	4,992
5.7500000%SUB-TOTAL					2001	4,992
5.7500000%SUB-TOTAL					2002	4,992
5.7500000%SUB-TOTAL					2003	4,992
5.7500000%SUB-TOTAL					2004	4,992
5.7500000%SUB-TOTAL					2005	4,992
5.8500000%BPA PROGRAM	1998	2023	106,600	106,600	1998	6,236
					1999	6,236
					2000	6,236
					2001	6,236
					2002	6,236
					2003	6,236
					2004	6,236
					2005	6,236
5.8500000%BPA PROGRAM	1998	2028	112,300	112,300	1998	6,570
					1999	6,570
					2000	6,570
					2001	6,570
					2002	6,570
					2003	6,570
					2004	6,570
					2005	6,570
5.8500000%SUB-TOTAL					1998	12,806
5.8500000%SUB-TOTAL					1999	12,806
5.8500000%SUB-TOTAL					2000	12,806
5.8500000%SUB-TOTAL					2001	12,806
5.8500000%SUB-TOTAL					2002	12,806
5.8500000%SUB-TOTAL					2003	12,806
5.8500000%SUB-TOTAL					2004	12,806
5.8500000%SUB-TOTAL					2005	12,806

5.9000000%BPA PROGRAM	1996	2003	54,378	54,378	1998	3,208	
					1999	3,208	
					2000	3,208	
					2001	3,208	
					2002	3,208	
					2003	3,208	54,378
5.9000000%BPA PROGRAM	1999	2014	59,050	59,050	1998	3,484	
					1999	3,484	
					2000	3,484	
					2001	3,484	
					2002	3,484	
					2003	3,484	
					2004	3,484	
					2005	3,484	
5.9000000%SUB-TOTAL					1998	6,692	
5.9000000%SUB-TOTAL					1999	6,692	
5.9000000%SUB-TOTAL					2000	6,692	
5.9000000%SUB-TOTAL					2001	6,692	
5.9000000%SUB-TOTAL					2002	6,692	
5.9000000%SUB-TOTAL					2003	6,692	54,378
5.9000000%SUB-TOTAL					2004	3,484	
5.9000000%SUB-TOTAL					2005	3,484	
5.9500000%BPA PROGRAM	1999	2004	26,200	26,200	1998	1,559	
					1999	1,559	
					2000	1,559	
					2001	1,559	
					2002	1,559	
					2003	1,559	
					2004	1,559	26,200
5.9500000%BPA PROGRAM	2001	2011	25,000	25,000	1998	1,488	
					1999	1,488	
					2000	1,488	
					2001	1,488	
					2002	1,488	
					2003	1,488	
					2004	1,488	
					2005	1,488	
5.9500000%SUB-TOTAL					1998	3,046	
5.9500000%SUB-TOTAL					1999	3,046	

5.9500000%SUB-TOTAL					2000	3,046	
5.9500000%SUB-TOTAL					2001	3,046	
5.9500000%SUB-TOTAL					2002	3,046	
5.9500000%SUB-TOTAL					2003	3,046	
5.9500000%SUB-TOTAL					2004	3,046	26,200
5.9500000%SUB-TOTAL					2005	1,488	
6.0000000%BPA PROGRAM	1998	2008	75,300	75,300	1998	4,518	
					1999	4,518	
					2000	4,518	
					2001	4,518	
					2002	4,518	
					2003	4,518	
					2004	4,518	
					2005	4,518	
6.0000000%BPA PROGRAM	1998	2009	72,700	72,700	1998	4,362	
					1999	4,362	
					2000	4,362	
					2001	4,362	
					2002	4,362	
					2003	4,362	
					2004	4,362	
					2005	4,362	
6.0000000%SUB-TOTAL					1998	8,880	
6.0000000%SUB-TOTAL					1999	8,880	
6.0000000%SUB-TOTAL					2000	8,880	
6.0000000%SUB-TOTAL					2001	8,880	
6.0000000%SUB-TOTAL					2002	8,880	
6.0000000%SUB-TOTAL					2003	8,880	
6.0000000%SUB-TOTAL					2004	8,880	
6.0000000%SUB-TOTAL					2005	8,880	
6.0500000%BPA PROGRAM	1993	1998	50,000		1998	252	
6.0500000%BPA PROGRAM	2001	2010	59,933	59,933	1998	3,626	50,000
					1999	3,626	
					2000	3,626	
					2001	3,626	
					2002	3,626	
					2003	3,626	
					2004	3,626	
					2005	3,626	

6.0500000%ENVIRONMENT	2001	2010	30,000	30,000	1998	1,815
					1999	1,815
					2000	1,815
					2001	1,815
					2002	1,815
					2003	1,815
					2004	1,815
					2005	1,815
6.0500000%SUB-TOTAL					1998	5,693
6.0500000%SUB-TOTAL					1999	5,441
6.0500000%SUB-TOTAL					2000	5,441
6.0500000%SUB-TOTAL					2001	5,441
6.0500000%SUB-TOTAL					2002	5,441
6.0500000%SUB-TOTAL					2003	5,441
6.0500000%SUB-TOTAL					2004	5,441
6.0500000%SUB-TOTAL					2005	5,441
6.0600000%BPA PROGRAM	2002	2017	60,000	60,000	1998	3,636
					1999	3,636
					2000	3,636
					2001	3,636
					2002	3,636
					2003	3,636
					2004	3,636
					2005	3,636
6.0600000%BPA PROGRAM	2002	2017	100,000	100,000	1998	6,060
					1999	6,060
					2000	6,060
					2001	6,060
					2002	6,060
					2003	6,060
					2004	6,060
					2005	6,060
6.0600000%BPA PROGRAM	2002	2017	108,010	108,010	1998	6,545
					1999	6,545
					2000	6,545
					2001	6,545
					2002	6,545
					2003	6,545
					2004	6,545
					2005	6,545

6.0600000%SUB-TOTAL					1998	16,241
6.0600000%SUB-TOTAL					1999	16,241
6.0600000%SUB-TOTAL					2000	16,241
6.0600000%SUB-TOTAL					2001	16,241
6.0600000%SUB-TOTAL					2002	16,241
6.0600000%SUB-TOTAL					2003	16,241
6.0600000%SUB-TOTAL					2004	16,241
6.0600000%SUB-TOTAL					2005	16,241
6.2000000%BPA PROGRAM	1992	1995	80,000		1998	2,480
6.2000000%BPA PROGRAM	1998	2011	40,000	40,000	1999	2,480
					2000	2,480
					2001	2,480
					2002	2,480
					2003	2,480
					2004	2,480
					2005	2,480
6.2000000%BPA PROGRAM	1999	2002	40,000		1998	2,480
					1999	2,480
					2000	2,480
					2001	2,480
					2002	2,480
						40,000
6.2000000%SUB-TOTAL					1998	4,960
6.2000000%SUB-TOTAL					1999	4,960
6.2000000%SUB-TOTAL					2000	4,960
6.2000000%SUB-TOTAL					2001	4,960
6.2000000%SUB-TOTAL					2002	4,960
6.2000000%SUB-TOTAL					2003	2,480
6.2000000%SUB-TOTAL					2004	2,480
6.2000000%SUB-TOTAL					2005	2,480
6.3300000%BONNEVILLE POWER ADMINISTRATION	1953	1998	11,605		1998	735
6.3300000%BONNEVILLE POWER ADMINISTRATION	1953	1998	23,550		1998	1,491
						40,000
6.3300000%SUB-TOTAL					1998	2,225
						35,155
6.4000000%BPA PROGRAM	2000	2003	40,000	40,000	1998	2,560
					1999	2,560
					2000	2,560

6.400000%SUB-TOTAL				1998	2,560	
6.400000%SUB-TOTAL				1999	2,560	
6.400000%SUB-TOTAL				2000	2,560	
6.400000%SUB-TOTAL				2001	2,560	
6.400000%SUB-TOTAL				2002	2,560	
6.400000%SUB-TOTAL				2003	2,560	40,000
6.510000%BONNEVILLE POWER ADMINISTRATION	1954	1999	17,370	1998	1,131	
6.510000%BONNEVILLE POWER ADMINISTRATION	1954	1999	23,614	1999	1,131	17,370
6.510000%SUB-TOTAL				1998	1,537	
6.510000%SUB-TOTAL				1999	1,537	23,614
6.560000%ENVIRONMENT	2003	2018	2,675	1998	2,668	
6.560000%SUB-TOTAL				1999	2,668	40,984
6.560000%SUB-TOTAL				2000	88	
6.560000%SUB-TOTAL				2001	88	
6.560000%SUB-TOTAL				2002	88	
6.560000%SUB-TOTAL				2003	88	
6.560000%SUB-TOTAL				2004	175	
6.560000%SUB-TOTAL				2005	175	
6.600000%BPA PROGRAM	1992	2000	107,800	1998	7,115	
6.600000%BPA PROGRAM				1999	7,115	
6.600000%BPA PROGRAM				2000	6,522	92,500
6.600000%BPA PROGRAM						15,300

6.600000%SUB-TOTAL					1998	7,115		
6.600000%SUB-TOTAL					1999	7,115		
6.600000%SUB-TOTAL					2000	6,522	92,500	15,300
6.620000%BONNEVILLE POWER ADMINISTRATION	1955	2000	10,283		1998	681		
					1999	681		
					2000	681	10,283	
6.620000%BONNEVILLE POWER ADMINISTRATION	1955	2000	11,827		1998	783		
					1999	783		
					2000	783	11,827	
6.620000%SUB-TOTAL					1998	1,464		
6.620000%SUB-TOTAL					1999	1,464		
6.620000%SUB-TOTAL					2000	1,464	22,110	
6.650000%BPA PROGRAM	1997	2007	111,254	111,254	1998	7,398		
					1999	7,398		
					2000	7,398		
					2001	7,398		
					2002	7,398		
					2003	7,398		
					2004	7,398		
					2005	7,398		
6.650000%BPA PROGRAM	1998	2029	50,000	50,000	1998	3,325		
					1999	3,325		
					2000	3,325		
					2001	3,325		
					2002	3,325		
					2003	3,325		
					2004	3,325		
					2005	3,325		
6.650000%SUB-TOTAL					1998	10,723		
6.650000%SUB-TOTAL					1999	10,723		
6.650000%SUB-TOTAL					2000	10,723		
6.650000%SUB-TOTAL					2001	10,723		
6.650000%SUB-TOTAL					2002	10,723		
6.650000%SUB-TOTAL					2003	10,723		
6.650000%SUB-TOTAL					2004	10,723		
6.650000%SUB-TOTAL					2005	10,723		

6.6900000%ENVIRONMENT	2005	2020	5,414	5,414	2005	181
6.6900000%SUB-TOTAL						
6.6900000%SUB-TOTAL					2005	181
6.7000000%BPA PROGRAM	1998	2032	98,900	98,900	1998	6,626
					1999	6,626
					2000	6,626
					2001	6,626
					2002	6,626
					2003	6,626
					2004	6,626
					2005	6,626
6.7000000%SUB-TOTAL					1998	6,626
6.7000000%SUB-TOTAL					1999	6,626
6.7000000%SUB-TOTAL					2000	6,626
6.7000000%SUB-TOTAL					2001	6,626
6.7000000%SUB-TOTAL					2002	6,626
6.7000000%SUB-TOTAL					2003	6,626
6.7000000%SUB-TOTAL					2004	6,626
6.7000000%SUB-TOTAL					2005	6,626
6.7100000%BONNEVILLE POWER ADMINISTRATION	1956	2001	14,573		1998	978
					1999	978
					2000	978
					2001	978
6.7100000%BONNEVILLE POWER ADMINISTRATION	1956	2001	32,221		1998	2,162
					1999	2,162
					2000	2,162
					2001	2,162
6.7100000%SUB-TOTAL					1998	3,140
6.7100000%SUB-TOTAL					1999	3,140
6.7100000%SUB-TOTAL					2000	3,140
6.7100000%SUB-TOTAL					2001	3,140
6.7500000%BPA PROGRAM	2000	2006	40,000	40,000	1998	2,700
					1999	2,700
					2000	2,700

					2001	2,700
					2002	2,700
					2003	2,700
					2004	2,700
					2005	2,700
6.7500000%SUB-TOTAL					1998	2,700
6.7500000%SUB-TOTAL					1999	2,700
6.7500000%SUB-TOTAL					2000	2,700
6.7500000%SUB-TOTAL					2001	2,700
6.7500000%SUB-TOTAL					2002	2,700
6.7500000%SUB-TOTAL					2003	2,700
6.7500000%SUB-TOTAL					2004	2,700
6.7500000%SUB-TOTAL					2005	2,700
6.7700000%ENVIRONMENT	2004	2019	7,369	7,369	2004	249
					2005	499
6.7700000%SUB-TOTAL					2004	249
6.7700000%SUB-TOTAL					2005	499
6.7900000%BONNEVILLE POWER ADMINISTRATION	1957	2002	7,933		1998	539
					1999	539
					2000	539
					2001	539
					2002	539
6.7900000%BONNEVILLE POWER ADMINISTRATION	1957	2002	15,980		1998	1,085
					1999	1,085
					2000	1,085
					2001	1,085
					2002	1,085
6.7900000%SUB-TOTAL					1998	1,624
6.7900000%SUB-TOTAL					1999	1,624
6.7900000%SUB-TOTAL					2000	1,624
6.7900000%SUB-TOTAL					2001	1,624
6.7900000%SUB-TOTAL					2002	1,624
6.8000000%BPA PROGRAM	1997	2004	22,600	22,600	1998	1,537

6.800000%SUB-TOTAL					1998	1,537
6.800000%SUB-TOTAL					1999	1,537
6.800000%SUB-TOTAL					2000	1,537
6.800000%SUB-TOTAL					2001	1,537
6.800000%SUB-TOTAL					2002	1,537
6.800000%SUB-TOTAL					2003	1,537
6.800000%SUB-TOTAL					2004	1,537
						22,600
6.800000%SUB-TOTAL					1998	1,537
6.800000%SUB-TOTAL					1999	1,537
6.800000%SUB-TOTAL					2000	1,537
6.800000%SUB-TOTAL					2001	1,537
6.800000%SUB-TOTAL					2002	1,537
6.800000%SUB-TOTAL					2003	1,537
6.800000%SUB-TOTAL					2004	1,537
						22,600
6.840000%BONNEVILLE POWER ADMINISTRATION	1958	2003	10,654	10,654	1998	729
					1999	729
					2000	729
					2001	729
					2002	729
					2003	729
						10,654
6.840000%BONNEVILLE POWER ADMINISTRATION	1958	2003	15,593	15,593	1998	1,067
					1999	1,067
					2000	1,067
					2001	1,067
					2002	1,067
					2003	1,067
						15,593
6.840000%SUB-TOTAL					1998	1,795
6.840000%SUB-TOTAL					1999	1,795
6.840000%SUB-TOTAL					2000	1,795
6.840000%SUB-TOTAL					2001	1,795
6.840000%SUB-TOTAL					2002	1,795
6.840000%SUB-TOTAL					2003	1,795
						26,247
6.850000%BPA PROGRAM	1994	2034	50,000	50,000	1998	3,425
					1999	3,425
					2000	3,425
					2001	3,425
					2002	3,425
					2003	3,425
					2004	3,425

6.8500000%BPA PROGRAM	1994	2034	108,400	108,400	2005	3,425
					1998	7,425
					1999	7,425
					2000	7,425
					2001	7,425
					2002	7,425
					2003	7,425
					2004	7,425
					2005	7,425
6.8500000%BPA PROGRAM	2000	2003	15,300	15,300	1998	1,048
					1999	1,048
					2000	1,048
					2001	1,048
					2002	1,048
					2003	1,048
						15,300
6.8500000%SUB-TOTAL					1998	11,898
6.8500000%SUB-TOTAL					1999	11,898
6.8500000%SUB-TOTAL					2000	11,898
6.8500000%SUB-TOTAL					2001	11,898
6.8500000%SUB-TOTAL					2002	11,898
6.8500000%SUB-TOTAL					2003	11,898
6.8500000%SUB-TOTAL					2004	10,850
6.8500000%SUB-TOTAL					2005	10,850
6.8800000%BONNEVILLE POWER ADMINISTRATION	1959	2004	8,157	8,157	1998	561
					1999	561
					2000	561
					2001	561
					2002	561
					2003	561
					2004	561
						8,157
6.8800000%BONNEVILLE POWER ADMINISTRATION	1959	2004	8,863	8,863	1998	610
					1999	610
					2000	610
					2001	610
					2002	610
					2003	610
					2004	610
						8,863
6.8800000%SUB-TOTAL					1998	1,171
6.8800000%SUB-TOTAL					1999	1,171
6.8800000%SUB-TOTAL					2000	1,171

6.8800000%SUB-TOTAL					2001	1,171
6.8800000%SUB-TOTAL					2002	1,171
6.8800000%SUB-TOTAL					2003	1,171
6.8800000%SUB-TOTAL					2004	1,171
						17,020
6.9000000%BPA PROGRAM	1997	2005	80,000	80,000	1998	5,520
					1999	5,520
					2000	5,520
					2001	5,520
					2002	5,520
					2003	5,520
					2004	5,520
					2005	5,520
						80,000
6.9000000%SUB-TOTAL					1998	5,520
6.9000000%SUB-TOTAL					1999	5,520
6.9000000%SUB-TOTAL					2000	5,520
6.9000000%SUB-TOTAL					2001	5,520
6.9000000%SUB-TOTAL					2002	5,520
6.9000000%SUB-TOTAL					2003	5,520
6.9000000%SUB-TOTAL					2004	5,520
6.9000000%SUB-TOTAL					2005	5,520
						80,000
6.9100000%BONNEVILLE POWER ADMINISTRATION	1960	2005	3,598	3,598	1998	249
					1999	249
					2000	249
					2001	249
					2002	249
					2003	249
					2004	249
						3,598
6.9100000%BONNEVILLE POWER ADMINISTRATION	1960	2005	4,218	4,218	1998	291
					1999	291
					2000	291
					2001	291
					2002	291
					2003	291
					2004	291
						4,218
6.9100000%SUB-TOTAL					1998	540
6.9100000%SUB-TOTAL					1999	540
6.9100000%SUB-TOTAL					2000	540
6.9100000%SUB-TOTAL					2001	540

6.9100000%SUB-TOTAL					2002	540
6.9100000%SUB-TOTAL					2003	540
6.9100000%SUB-TOTAL					2004	540
						7,816
6.9500000%BONNEVILLE POWER ADMINISTRATION	1961	2006	4,468	4,468	1998	311
					1999	311
					2000	311
					2001	311
					2002	311
					2003	311
					2004	311
					2005	311
6.9500000%BONNEVILLE POWER ADMINISTRATION	1961	2006	11,271	11,271	1998	783
					1999	783
					2000	783
					2001	783
					2002	783
					2003	783
					2004	783
					2005	783
6.9500000%BPA PROGRAM	1993	2033	110,000	110,000	1998	7,645
					1999	7,645
					2000	7,645
					2001	7,645
					2002	7,645
					2003	7,645
					2004	7,645
					2005	7,645
6.9500000%ENVIRONMENT	1997	2012	40,000	40,000	1998	2,780
					1999	2,780
					2000	2,780
					2001	2,780
					2002	2,780
					2003	2,780
					2004	2,780
					2005	2,780
6.9500000%SUB-TOTAL					1998	11,519
6.9500000%SUB-TOTAL					1999	11,519
6.9500000%SUB-TOTAL					2000	11,519
6.9500000%SUB-TOTAL					2001	11,519
6.9500000%SUB-TOTAL					2002	11,519
6.9500000%SUB-TOTAL					2003	11,519

6.9500000%SUB-TOTAL					2004	11,519
6.9500000%SUB-TOTAL					2005	11,519
6.9800000%BONNEVILLE POWER ADMINISTRATION	1962	2007	4,877	4,877	1998	340
					1999	340
					2000	340
					2001	340
					2002	340
					2003	340
					2004	340
					2005	340
6.9800000%BONNEVILLE POWER ADMINISTRATION	1962	2007	19,597	19,597	1998	1,368
					1999	1,368
					2000	1,368
					2001	1,368
					2002	1,368
					2003	1,368
					2004	1,368
					2005	1,368
6.9800000%SUB-TOTAL					1998	1,708
6.9800000%SUB-TOTAL					1999	1,708
6.9800000%SUB-TOTAL					2000	1,708
6.9800000%SUB-TOTAL					2001	1,708
6.9800000%SUB-TOTAL					2002	1,708
6.9800000%SUB-TOTAL					2003	1,708
6.9800000%SUB-TOTAL					2004	1,708
6.9800000%SUB-TOTAL					2005	1,708
7.0000000%BPA PROGRAM	1992	1997	28,300			
7.0000000%BPA PROGRAM	1992	1997	50,000			
7.0000000%BPA PROGRAM	2000	2004	39,052	39,052	1998	2,734
					1999	2,734
					2000	2,734
					2001	2,734
					2002	2,734
					2003	2,734
					2004	2,734
						39,052
7.0000000%SUB-TOTAL					1998	2,734
7.0000000%SUB-TOTAL					1999	2,734
7.0000000%SUB-TOTAL					2000	2,734

7.000000%SUB-TOTAL					2001	2,734
7.000000%SUB-TOTAL					2002	2,734
7.000000%SUB-TOTAL					2003	2,734
7.000000%SUB-TOTAL					2004	2,734
						39,052
7.010000%BPA PROGRAM	2003	2038	352,497	352,497	1998	12,355
					1999	12,355
					2000	12,355
					2001	12,355
					2002	12,355
					2003	12,355
					2004	24,710
					2005	24,710
7.010000%SUB-TOTAL					1998	12,355
7.010000%SUB-TOTAL					1999	12,355
7.010000%SUB-TOTAL					2000	12,355
7.010000%SUB-TOTAL					2001	12,355
7.010000%SUB-TOTAL					2002	12,355
7.010000%SUB-TOTAL					2003	12,355
7.010000%SUB-TOTAL					2004	24,710
7.010000%SUB-TOTAL					2005	24,710
7.020000%BONNEVILLE POWER ADMINISTRATION	1963	2008	803	803	1998	56
					1999	56
					2000	56
					2001	56
					2002	56
					2003	56
					2004	56
					2005	56
7.020000%BONNEVILLE POWER ADMINISTRATION	1963	2008	904	904	1998	63
					1999	63
					2000	63
					2001	63
					2002	63
					2003	63
					2004	63
					2005	63
7.020000%BONNEVILLE POWER ADMINISTRATION	1963	2008	4,330	4,330	1998	304
					1999	304
					2000	304

					2001	304
					2002	304
					2003	304
					2004	304
					2005	304
7.0200000%BONNEVILLE POWER ADMINISTRATION	1963	2008	4,876	4,876	1998	342
					1999	342
					2000	342
					2001	342
					2002	342
					2003	342
					2004	342
					2005	342
7.0200000%SUB-TOTAL					1998	766
7.0200000%SUB-TOTAL					1999	766
7.0200000%SUB-TOTAL					2000	766
7.0200000%SUB-TOTAL					2001	766
7.0200000%SUB-TOTAL					2002	766
7.0200000%SUB-TOTAL					2003	766
7.0200000%SUB-TOTAL					2004	766
7.0200000%SUB-TOTAL					2005	766
7.0500000%BPA PROGRAM	1994	2034	50,000	50,000	1998	3,525
					1999	3,525
					2000	3,525
					2001	3,525
					2002	3,525
					2003	3,525
					2004	3,525
					2005	3,525
7.0500000%BPA PROGRAM	1996	2006	70,000	70,000	1998	4,935
					1999	4,935
					2000	4,935
					2001	4,935
					2002	4,935
					2003	4,935
					2004	4,935
					2005	4,935
7.0500000%SUB-TOTAL					1998	8,460
7.0500000%SUB-TOTAL					1999	8,460
7.0500000%SUB-TOTAL					2000	8,460

7.0500000%SUB-TOTAL					2001	8,460
7.0500000%SUB-TOTAL					2002	8,460
7.0500000%SUB-TOTAL					2003	8,460
7.0500000%SUB-TOTAL					2004	8,460
7.0500000%SUB-TOTAL					2005	8,460
7.0600000%BONNEVILLE POWER ADMINISTRATION	1964	2009	4,151	4,151	1998	293
					1999	293
					2000	293
					2001	293
					2002	293
					2003	293
					2004	293
					2005	293
7.0600000%BONNEVILLE POWER ADMINISTRATION	1964	2009	5,738	5,738	1998	405
					1999	405
					2000	405
					2001	405
					2002	405
					2003	405
					2004	405
					2005	405
7.0600000%SUB-TOTAL					1998	698
7.0600000%SUB-TOTAL					1999	698
7.0600000%SUB-TOTAL					2000	698
7.0600000%SUB-TOTAL					2001	698
7.0600000%SUB-TOTAL					2002	698
7.0600000%SUB-TOTAL					2003	698
7.0600000%SUB-TOTAL					2004	698
7.0600000%SUB-TOTAL					2005	698
7.0900000%BONNEVILLE POWER ADMINISTRATION	1965	2010	3,706	3,706	1998	263
					1999	263
					2000	263
					2001	263
					2002	263
					2003	263
					2004	263
					2005	263
7.0900000%BONNEVILLE POWER ADMINISTRATION	1965	2010	5,202	5,202	1998	369
					1999	369

						2000	369
						2001	369
						2002	369
						2003	369
						2004	369
						2005	369
7.0900000%BONNEVILLE POWER ADMINISTRATION	1965	2010	7,248	7,248		1998	514
						1999	514
						2000	514
						2001	514
						2002	514
						2003	514
						2004	514
						2005	514
7.0900000%BONNEVILLE POWER ADMINISTRATION	1965	2010	10,171	10,171		1998	721
						1999	721
						2000	721
						2001	721
						2002	721
						2003	721
						2004	721
						2005	721
7.0900000%SUB-TOTAL						1998	1,867
7.0900000%SUB-TOTAL						1999	1,867
7.0900000%SUB-TOTAL						2000	1,867
7.0900000%SUB-TOTAL						2001	1,867
7.0900000%SUB-TOTAL						2002	1,867
7.0900000%SUB-TOTAL						2003	1,867
7.0900000%SUB-TOTAL						2004	1,867
7.0900000%SUB-TOTAL						2005	1,867
7.1000000%BPA PROGRAM	1994	1998	4,456				
7.1000000%BPA PROGRAM	1994	1998	43,155				
7.1000000%BPA PROGRAM	1994	1998	49,489				
7.1000000%BPA PROGRAM	2005	2040	267,831	267,831		2005	9,508
7.1000000%BPA PROGRAM	2006	2041	111,674	111,674			
7.1000000%BPA PROGRAM	2007	2042	116,348	116,348			
7.1000000%BPA PROGRAM	2008	2043	120,579	120,579			
7.1000000%BPA PROGRAM	2009	2044	124,617	124,617			
7.1000000%BPA PROGRAM	2010	2045	128,630	128,630			
7.1000000%BPA PROGRAM	2011	2046	132,612	132,612			

7.100000%BPA PROGRAM	2012	2047	136,699	136,699		
7.100000%BPA PROGRAM	2013	2048	140,962	140,962		
7.100000%BPA PROGRAM	2014	2049	145,372	145,372		
7.100000%BPA PROGRAM	2015	2050	149,712	149,712		
7.100000%BPA PROGRAM	2016	2051	153,948	153,948		
7.100000%BPA PROGRAM	2017	2052	158,066	158,066		
7.100000%BPA PROGRAM	2018	2053	161,972	161,972		
7.100000%BPA PROGRAM	2019	2054	165,862	165,862		
7.100000%BPA PROGRAM	2020	2055	169,724	169,724		
7.100000%BPA PROGRAM	2021	2056	173,415	173,415		
7.100000%BPA PROGRAM	2022	2057	176,899	176,899		
7.100000%BPA PROGRAM	2023	2058	180,232	180,232		
7.100000%BPA PROGRAM	2024	2059	183,355	183,355		
7.100000%BPA PROGRAM	2025	2060	186,194	186,194		
7.100000%BPA PROGRAM	2026	2061	188,754	188,754		
7.100000%BPA PROGRAM	2027	2062	191,075	191,075		
7.100000%BPA PROGRAM	2028	2063	193,239	193,239		
7.100000%BPA PROGRAM	2029	2064	195,064	195,064		
7.100000%BPA PROGRAM	2030	2065	196,662	196,662		
7.100000%BPA PROGRAM	2031	2066	197,985	197,985		
7.100000%BPA PROGRAM	2032	2067	199,123	199,123		
7.100000%BPA PROGRAM	2033	2068	200,016	200,016		
7.100000%BPA PROGRAM	2034	2069	200,455	200,455		
7.100000%BPA PROGRAM	2035	2070	200,770	200,770		
7.100000%BPA PROGRAM	2036	2071	200,989	200,989		
7.100000%BPA PROGRAM	2037	2072	200,973	200,973		
7.100000%BPA PROGRAM	2038	2073	200,789	200,789		
7.100000%BPA PROGRAM	2039	2074	200,601	200,601		
7.100000%BPA PROGRAM	2040	2075	200,477	200,477		
7.100000%SUB-TOTAL						
7.100000%SUB-TOTAL					2005	9,508
7.130000%BONNEVILLE POWER ADMINISTRATION	1966	2011	1,714	1,714	1998	122
					1999	122
					2000	122
					2001	122
					2002	122
					2003	122
					2004	122
					2005	122
7.130000%BONNEVILLE POWER ADMINISTRATION	1966	2011	3,049	3,049	1998	217
					1999	217

					2000	217
					2001	217
					2002	217
					2003	217
					2004	217
					2005	217
7.1300000%BONNEVILLE POWER ADMINISTRATION	1966	2011	6,647	6,647	1998	474
					1999	474
					2000	474
					2001	474
					2002	474
					2003	474
					2004	474
					2005	474
7.1300000%BONNEVILLE POWER ADMINISTRATION	1966	2011	11,830	11,830	1998	843
					1999	843
					2000	843
					2001	843
					2002	843
					2003	843
					2004	843
					2005	843
7.1300000%SUB-TOTAL					1998	1,657
7.1300000%SUB-TOTAL					1999	1,657
7.1300000%SUB-TOTAL					2000	1,657
7.1300000%SUB-TOTAL					2001	1,657
7.1300000%SUB-TOTAL					2002	1,657
7.1300000%SUB-TOTAL					2003	1,657
7.1300000%SUB-TOTAL					2004	1,657
7.1300000%SUB-TOTAL					2005	1,657
7.1500000%BPA PROGRAM	2000	2005	53,500	53,500	1998	3,825
					1999	3,825
					2000	3,825
					2001	3,825
					2002	3,825
					2003	3,825
					2004	3,825
					2005	3,825
						53,500
7.1500000%SUB-TOTAL					1998	3,825
7.1500000%SUB-TOTAL					1999	3,825

7.1500000%SUB-TOTAL					2000	3,825
7.1500000%SUB-TOTAL					2001	3,825
7.1500000%SUB-TOTAL					2002	3,825
7.1500000%SUB-TOTAL					2003	3,825
7.1500000%SUB-TOTAL					2004	3,825
7.1500000%SUB-TOTAL					2005	3,825
						53,500
7.1600000%BONNEVILLE POWER ADMINISTRATION	1967	2012	3,436	3,436	1998	246
					1999	246
					2000	246
					2001	246
					2002	246
					2003	246
					2004	246
					2005	246
7.1600000%BONNEVILLE POWER ADMINISTRATION	1967	2012	4,566	4,566	1998	327
					1999	327
					2000	327
					2001	327
					2002	327
					2003	327
					2004	327
					2005	327
7.1600000%BONNEVILLE POWER ADMINISTRATION	1967	2012	14,300	14,300	1998	1,024
					1999	1,024
					2000	1,024
					2001	1,024
					2002	1,024
					2003	1,024
					2004	1,024
					2005	1,024
7.1600000%BONNEVILLE POWER ADMINISTRATION	1967	2012	19,003	19,003	1998	1,361
					1999	1,361
					2000	1,361
					2001	1,361
					2002	1,361
					2003	1,361
					2004	1,361
					2005	1,361
7.1600000%SUB-TOTAL					1998	2,957
7.1600000%SUB-TOTAL					1999	2,957
7.1600000%SUB-TOTAL					2000	2,957

7.1600000%SUB-TOTAL					2001	2,957
7.1600000%SUB-TOTAL					2002	2,957
7.1600000%SUB-TOTAL					2003	2,957
7.1600000%SUB-TOTAL					2004	2,957
7.1600000%SUB-TOTAL					2005	2,957
7.1800000%BPA PROGRAM		2004	2039	316,633	316,633	
					2004	11,367
					2005	22,734
7.1800000%SUB-TOTAL					2004	11,367
7.1800000%SUB-TOTAL					2005	22,734
7.2000000%BONNEVILLE POWER ADMINISTRATION	1968	2013	4,562	4,562	1998	328
					1999	328
					2000	328
					2001	328
					2002	328
					2003	328
					2004	328
					2005	328
7.2000000%BONNEVILLE POWER ADMINISTRATION	1968	2013	8,076	8,076	1998	581
					1999	581
					2000	581
					2001	581
					2002	581
					2003	581
					2004	581
					2005	581
7.2000000%BONNEVILLE POWER ADMINISTRATION	1968	2013	23,202	23,202	1998	1,671
					1999	1,671
					2000	1,671
					2001	1,671
					2002	1,671
					2003	1,671
					2004	1,671
					2005	1,671
7.2000000%BONNEVILLE POWER ADMINISTRATION	1968	2013	41,070	41,070	1998	2,957
					1999	2,957
					2000	2,957
					2001	2,957

					2002	2,957
					2003	2,957
					2004	2,957
					2005	2,957
7.200000%SUB-TOTAL					1998	5,538
7.200000%SUB-TOTAL					1999	5,538
7.200000%SUB-TOTAL					2000	5,538
7.200000%SUB-TOTAL					2001	5,538
7.200000%SUB-TOTAL					2002	5,538
7.200000%SUB-TOTAL					2003	5,538
7.200000%SUB-TOTAL					2004	5,538
7.200000%SUB-TOTAL					2005	5,538
7.210000%BONNEVILLE POWER ADMINISTRATION	1977	2022	3,948	3,948	1998	285
					1999	285
					2000	285
					2001	285
					2002	285
					2003	285
					2004	285
					2005	285
7.210000%BONNEVILLE POWER ADMINISTRATION	1977	2022	4,981	4,981	1998	359
					1999	359
					2000	359
					2001	359
					2002	359
					2003	359
					2004	359
					2005	359
7.210000%BONNEVILLE POWER ADMINISTRATION	1977	2022	5,380	5,380	1998	388
					1999	388
					2000	388
					2001	388
					2002	388
					2003	388
					2004	388
					2005	388
7.210000%BONNEVILLE POWER ADMINISTRATION	1977	2022	33,702	33,702	1998	2,430
					1999	2,430
					2000	2,430
					2001	2,430
					2002	2,430

					2003	2,430
					2004	2,430
					2005	2,430
7.210000%SUB-TOTAL					1998	3,462
7.210000%SUB-TOTAL					1999	3,462
7.210000%SUB-TOTAL					2000	3,462
7.210000%SUB-TOTAL					2001	3,462
7.210000%SUB-TOTAL					2002	3,462
7.210000%SUB-TOTAL					2003	3,462
7.210000%SUB-TOTAL					2004	3,462
7.210000%SUB-TOTAL					2005	3,462
7.230000%BONNEVILLE POWER ADMINISTRATION	1969	2014	205	205	1998	15
					1999	15
					2000	15
					2001	15
					2002	15
					2003	15
					2004	15
					2005	15
7.230000%BONNEVILLE POWER ADMINISTRATION	1969	2014	384	384	1998	28
					1999	28
					2000	28
					2001	28
					2002	28
					2003	28
					2004	28
					2005	28
7.230000%BONNEVILLE POWER ADMINISTRATION	1969	2014	22,537	22,537	1998	1,629
					1999	1,629
					2000	1,629
					2001	1,629
					2002	1,629
					2003	1,629
					2004	1,629
					2005	1,629
7.230000%BONNEVILLE POWER ADMINISTRATION	1969	2014	42,237	42,237	1998	3,054
					1999	3,054
					2000	3,054
					2001	3,054
					2002	3,054
					2003	3,054

					2004	3,054
					2005	3,054
7.2300000%BONNEVILLE POWER ADMINISTRATION	1976	2021	2,212	2,212	1998	160
					1999	160
					2000	160
					2001	160
					2002	160
					2003	160
					2004	160
					2005	160
7.2300000%BONNEVILLE POWER ADMINISTRATION	1976	2021	61,025	61,025	1998	4,412
					1999	4,412
					2000	4,412
					2001	4,412
					2002	4,412
					2003	4,412
					2004	4,412
					2005	4,412
7.2300000%SUB-TOTAL					1998	9,298
7.2300000%SUB-TOTAL					1999	9,298
7.2300000%SUB-TOTAL					2000	9,298
7.2300000%SUB-TOTAL					2001	9,298
7.2300000%SUB-TOTAL					2002	9,298
7.2300000%SUB-TOTAL					2003	9,298
7.2300000%SUB-TOTAL					2004	9,298
7.2300000%SUB-TOTAL					2005	9,298
7.2500000%BONNEVILLE POWER ADMINISTRATION	1975	2020	11,742	11,742	1998	851
					1999	851
					2000	851
					2001	851
					2002	851
					2003	851
					2004	851
					2005	851
7.2500000%BONNEVILLE POWER ADMINISTRATION	1975	2020	17,158	17,158	1998	1,244
					1999	1,244
					2000	1,244
					2001	1,244
					2002	1,244
					2003	1,244
					2004	1,244

7.2500000%BONNEVILLE POWER ADMINISTRATION	1975	2020	21,916	21,916	2005	1,244		
					1998	1,589		
					1999	1,589		
					2000	1,589		
					2001	1,589		
					2002	1,589		
					2003	1,589		
					2004	1,589		
					2005	1,589		
7.2500000%BONNEVILLE POWER ADMINISTRATION	1975	2020	32,026	32,026	1998	2,322		
					1999	2,322		
					2000	2,322		
					2001	2,322		
					2002	2,322		
					2003	2,322		
					2004	2,322		
					2005	2,322		
7.2500000%BPA PROGRAM	1992	2007	107,700		1998	7,158	4,685	107,700
7.2500000%SUB-TOTAL					1998	13,164	4,685	107,700
7.2500000%SUB-TOTAL					1999	6,006		
7.2500000%SUB-TOTAL					2000	6,006		
7.2500000%SUB-TOTAL					2001	6,006		
7.2500000%SUB-TOTAL					2002	6,006		
7.2500000%SUB-TOTAL					2003	6,006		
7.2500000%SUB-TOTAL					2004	6,006		
7.2500000%SUB-TOTAL					2005	6,006		
7.2700000%BONNEVILLE POWER ADMINISTRATION	1970	2015	3,003	3,003	1998	218		
					1999	218		
					2000	218		
					2001	218		
					2002	218		
					2003	218		
					2004	218		
					2005	218		
7.2700000%BONNEVILLE POWER ADMINISTRATION	1970	2015	7,995	7,995	1998	581		
					1999	581		
					2000	581		
					2001	581		
					2002	581		
					2003	581		
					2004	581		

7.2700000%BONNEVILLE POWER ADMINISTRATION	1970	2015	24,412	24,412	2005	581
					1998	1,775
					1999	1,775
					2000	1,775
					2001	1,775
					2002	1,775
					2003	1,775
					2004	1,775
					2005	1,775
7.2700000%BONNEVILLE POWER ADMINISTRATION	1970	2015	64,977	64,977	1998	4,724
					1999	4,724
					2000	4,724
					2001	4,724
					2002	4,724
					2003	4,724
					2004	4,724
					2005	4,724
7.2700000%BONNEVILLE POWER ADMINISTRATION	1974	2019	12,079	12,079	1998	878
					1999	878
					2000	878
					2001	878
					2002	878
					2003	878
					2004	878
					2005	878
7.2700000%BONNEVILLE POWER ADMINISTRATION	1974	2019	12,563	12,563	1998	913
					1999	913
					2000	913
					2001	913
					2002	913
					2003	913
					2004	913
					2005	913
7.2700000%BONNEVILLE POWER ADMINISTRATION	1974	2019	20,984	20,984	1998	1,526
					1999	1,526
					2000	1,526
					2001	1,526
					2002	1,526
					2003	1,526
					2004	1,526
					2005	1,526
7.2700000%BONNEVILLE POWER ADMINISTRATION	1974	2019	21,826	21,826	1998	1,587
					1999	1,587
					2000	1,587

					2001	1,587
					2002	1,587
					2003	1,587
					2004	1,587
					2005	1,587
7.2700000%SUB-TOTAL					1998	12,202
7.2700000%SUB-TOTAL					1999	12,202
7.2700000%SUB-TOTAL					2000	12,202
7.2700000%SUB-TOTAL					2001	12,202
7.2700000%SUB-TOTAL					2002	12,202
7.2700000%SUB-TOTAL					2003	12,202
7.2700000%SUB-TOTAL					2004	12,202
7.2700000%SUB-TOTAL					2005	12,202
7.2800000%BONNEVILLE POWER ADMINISTRATION	1973	2018	10,491	10,491	1998	764
					1999	764
					2000	764
					2001	764
					2002	764
					2003	764
					2004	764
					2005	764
7.2800000%BONNEVILLE POWER ADMINISTRATION	1973	2018	16,368	16,368	1998	1,192
					1999	1,192
					2000	1,192
					2001	1,192
					2002	1,192
					2003	1,192
					2004	1,192
					2005	1,192
7.2800000%BONNEVILLE POWER ADMINISTRATION	1973	2018	21,656	21,656	1998	1,577
					1999	1,577
					2000	1,577
					2001	1,577
					2002	1,577
					2003	1,577
					2004	1,577
					2005	1,577
7.2800000%BONNEVILLE POWER ADMINISTRATION	1973	2018	33,788	33,788	1998	2,460
					1999	2,460
					2000	2,460
					2001	2,460

					2002	2,460
					2003	2,460
					2004	2,460
					2005	2,460
7.2800000%SUB-TOTAL					1998	5,992
7.2800000%SUB-TOTAL					1999	5,992
7.2800000%SUB-TOTAL					2000	5,992
7.2800000%SUB-TOTAL					2001	5,992
7.2800000%SUB-TOTAL					2002	5,992
7.2800000%SUB-TOTAL					2003	5,992
7.2800000%SUB-TOTAL					2004	5,992
7.2800000%SUB-TOTAL					2005	5,992
7.2900000%BONNEVILLE POWER ADMINISTRATION	1971	2016	12,025	12,025	1998	877
					1999	877
					2000	877
					2001	877
					2002	877
					2003	877
					2004	877
					2005	877
7.2900000%BONNEVILLE POWER ADMINISTRATION	1971	2016	12,051	12,051	1998	879
					1999	879
					2000	879
					2001	879
					2002	879
					2003	879
					2004	879
					2005	879
7.2900000%BONNEVILLE POWER ADMINISTRATION	1971	2016	17,766	17,766	1998	1,295
					1999	1,295
					2000	1,295
					2001	1,295
					2002	1,295
					2003	1,295
					2004	1,295
					2005	1,295
7.2900000%BONNEVILLE POWER ADMINISTRATION	1971	2016	17,805	17,805	1998	1,298
					1999	1,298
					2000	1,298
					2001	1,298
					2002	1,298

					2003	1,298	
					2004	1,298	13,481
					2005	315	1,501
7.2900000%BONNEVILLE POWER ADMINISTRATION	1972	2017	2,873	2,873	1998	209	
					1999	209	
					2000	209	
					2001	209	
					2002	209	
					2003	209	
					2004	209	
					2005	209	
7.2900000%BONNEVILLE POWER ADMINISTRATION	1972	2017	3,980	3,980	1998	290	
					1999	290	
					2000	290	
					2001	290	
					2002	290	
					2003	290	
					2004	290	
					2005	290	
7.2900000%BONNEVILLE POWER ADMINISTRATION	1972	2017	21,170	21,170	1998	1,543	
					1999	1,543	
					2000	1,543	
					2001	1,543	
					2002	1,543	
					2003	1,543	
					2004	1,543	
					2005	1,543	
7.2900000%BONNEVILLE POWER ADMINISTRATION	1972	2017	29,326	29,326	1998	2,138	
					1999	2,138	
					2000	2,138	
					2001	2,138	
					2002	2,138	
					2003	2,138	
					2004	2,138	
					2005	2,138	
7.2900000%SUB-TOTAL					1998	8,529	
7.2900000%SUB-TOTAL					1999	8,529	
7.2900000%SUB-TOTAL					2000	8,529	
7.2900000%SUB-TOTAL					2001	8,529	
7.2900000%SUB-TOTAL					2002	8,529	
7.2900000%SUB-TOTAL					2003	8,529	
7.2900000%SUB-TOTAL					2004	8,529	13,481
7.2900000%SUB-TOTAL					2005	7,546	1,501

7.5000000%BPA PROGRAM	1993	2033	100,000	1998	6,875	6,563	100,000	
7.5000000%SUB-TOTAL				1998	6,875	6,563	100,000	
7.5500000%BPA PROGRAM	1991	1995	5,855					
7.5500000%BPA PROGRAM	1991	1995	54,145					
7.5500000%SUB-TOTAL								
7.6500000%BPA PROGRAM	1994	1999	55,000					
7.6500000%SUB-TOTAL								
7.7000000%BPA PROGRAM	1995	2025	49,933	34,976	1998	3,845		
					1999	3,845		
					2000	3,845		
					2001	3,845	756	
					2002	2,900	159	
					2003	2,693	391	
					2004	2,160	1,512	
							28,054	
7.7000000%BPA PROGRAM	1995	2025	65,000		1998	5,005		
					1999	5,005		
					2000	5,005		
					2001	5,005		
					2002	5,005	3,837	
							65,000	
7.7000000%SUB-TOTAL					1998	8,850		
7.7000000%SUB-TOTAL					1999	8,850		
7.7000000%SUB-TOTAL					2000	8,850		
7.7000000%SUB-TOTAL					2001	8,850	756	
7.7000000%SUB-TOTAL					2002	7,905	3,996	
7.7000000%SUB-TOTAL					2003	2,693	391	
7.7000000%SUB-TOTAL					2004	2,160	1,512	
							28,054	
7.8000000%BPA PROGRAM	1993	2033	130,000		1998	6,760	8,873	130,000
7.8000000%SUB-TOTAL					1998	6,760	8,873	130,000

8.1300000%BPA PROGRAM	1992	2032	150,000	1998	7,654	10,366	11,800	138,200
8.1300000%SUB-TOTAL				1998	7,654	10,366	11,800	138,200
8.1500000%BPA PROGRAM	1986	1996	1					
8.1500000%BPA PROGRAM	1986	1996	5					
8.1500000%BPA PROGRAM	1986	1996	157					
8.1500000%BPA PROGRAM	1986	1996	169					
8.1500000%BPA PROGRAM	1986	1996	443					
8.1500000%BPA PROGRAM	1986	1996	870					
8.1500000%BPA PROGRAM	1986	1996	30,161					
8.1500000%BPA PROGRAM	1986	1996	68,194					
8.1500000%SUB-TOTAL								
8.2000000%BPA PROGRAM	1994	2034	50,000	1998	4,100			
				1999	3,075	3,588	50,000	
8.2000000%SUB-TOTAL				1998	4,100			
8.2000000%SUB-TOTAL				1999	3,075	3,588	50,000	
8.3500000%BPA PROGRAM	1987	1992	983					
8.3500000%BPA PROGRAM	1987	1992	2,498					
8.3500000%BPA PROGRAM	1987	1992	96,519					
8.3500000%BPA PROGRAM	1993	2033	99,962	1998	5,565	7,303	99,962	
8.3500000%BPA PROGRAM	1995	2001	55,000					
8.3500000%SUB-TOTAL				1998	5,565	7,303	99,962	
8.8000000%BPA PROGRAM	1992	2032	2,479					
8.8000000%BPA PROGRAM	1992	2032	147,521					
8.8000000%SUB-TOTAL								
8.9500000%BPA PROGRAM	1978	2013	3,389					
8.9500000%BPA PROGRAM	1978	2013	4,619					
8.9500000%BPA PROGRAM	1978	2013	17,770					
8.9500000%BPA PROGRAM	1978	2013	24,222					

8.9500000%BPA PROGRAM	1986	2031	29				
8.9500000%BPA PROGRAM	1986	2031	76				
8.9500000%BPA PROGRAM	1986	2031	722				
8.9500000%BPA PROGRAM	1986	2031	1,819				
8.9500000%BPA PROGRAM	1986	2031	3,117				
8.9500000%BPA PROGRAM	1986	2031	5,161				
8.9500000%BPA PROGRAM	1986	2031	11,668				
8.9500000%BPA PROGRAM	1986	2031	40,000				
8.9500000%BPA PROGRAM	1986	2031	57,354				
8.9500000%BPA PROGRAM	1986	2031	180,054				
8.9500000%BPA PROGRAM	1989	1999	424	1998	38		
				1999	25	424	
8.9500000%BPA PROGRAM	1989	1999	1,410	1998	126		
				1999	84	1,410	
8.9500000%BPA PROGRAM	1989	1999	16,909	1998	1,513		
				1999	1,009	16,909	
8.9500000%BPA PROGRAM	1989	1999	56,257	1998	5,035		
				1999	3,357	31,891	24,366
8.9500000%SUB-TOTAL				1998	6,713		
8.9500000%SUB-TOTAL				1999	4,475	48,800	26,200
9.2500000%BPA PROGRAM	1990	2030	29	1998	3		
				1999	3		
				2000	1	2	29
9.2500000%BPA PROGRAM	1990	2030	96	1998	9		
				1999	9		
				2000	3	7	96
9.2500000%BPA PROGRAM	1990	2030	1,149	1998	106		
				1999	106		
				2000	35	80	1,149
9.2500000%BPA PROGRAM	1990	2030	3,008	1998	278		
				1999	278		
				2000	93	209	3,008
9.2500000%BPA PROGRAM	1990	2030	3,824	1998	354		
				1999	354		
				2000	118	265	3,824
9.2500000%BPA PROGRAM	1990	2030	41,894	1998	3,875		
				1999	3,875		
				2000	1,292	2,906	41,894
9.2500000%SUB-TOTAL				1998	4,625		
9.2500000%SUB-TOTAL				1999	4,625		

9.2500000%SUB-TOTAL			2000	1,542	3,469	50,000
9.3000000%BPA PROGRAM	1987	2032	111			
9.3000000%BPA PROGRAM	1987	2032	281			
9.3000000%BPA PROGRAM	1987	2032	554			
9.3000000%BPA PROGRAM	1987	2032	1,409			
9.3000000%BPA PROGRAM	1987	2032	43,236			
9.3000000%BPA PROGRAM	1987	2032	54,409			
9.3000000%SUB-TOTAL						
9.4500000%BPA PROGRAM	1979	2014	102			
9.4500000%BPA PROGRAM	1979	2014	150			
9.4500000%BPA PROGRAM	1979	2014	1,371			
9.4500000%BPA PROGRAM	1979	2014	1,870			
9.4500000%BPA PROGRAM	1979	2014	6,026			
9.4500000%BPA PROGRAM	1979	2014	7,010			
9.4500000%BPA PROGRAM	1979	2014	9,804			
9.4500000%BPA PROGRAM	1979	2014	21,977			
9.4500000%BPA PROGRAM	1979	2014	26,690			
9.4500000%SUB-TOTAL						
9.5000000%BPA PROGRAM	1988	2018	283			
9.5000000%BPA PROGRAM	1988	2018	43,417			
9.5000000%BPA PROGRAM	1988	2033	518			
9.5000000%BPA PROGRAM	1988	2033	933			
9.5000000%BPA PROGRAM	1988	2033	954			
9.5000000%BPA PROGRAM	1988	2033	1,725			
9.5000000%BPA PROGRAM	1988	2033	20,677			
9.5000000%BPA PROGRAM	1988	2033	22,923			
9.5000000%BPA PROGRAM	1988	2033	27,887			
9.5000000%BPA PROGRAM	1988	2033	28,513			
9.5000000%BPA PROGRAM	1988	2033	45,870			
9.5000000%SUB-TOTAL						
9.5500000%BPA PROGRAM	1987	2017	38			
9.5500000%BPA PROGRAM	1987	2017	48			
9.5500000%BPA PROGRAM	1987	2017	569			

9.5500000%BPA PROGRAM	1987	2017	3,274
9.5500000%BPA PROGRAM	1987	2017	4,113
9.5500000%BPA PROGRAM	1987	2017	86,958
9.5500000%BPA PROGRAM	1987	2032	112
9.5500000%BPA PROGRAM	1987	2032	285
9.5500000%BPA PROGRAM	1987	2032	618
9.5500000%BPA PROGRAM	1987	2032	631
9.5500000%BPA PROGRAM	1987	2032	3,109
9.5500000%BPA PROGRAM	1987	2032	7,903
9.5500000%BPA PROGRAM	1987	2032	37,342

9.5500000%SUB-TOTAL

9.9000000%BPA PROGRAM	1979	2014	66
9.9000000%BPA PROGRAM	1979	2014	98
9.9000000%BPA PROGRAM	1979	2014	165
9.9000000%BPA PROGRAM	1979	2014	605
9.9000000%BPA PROGRAM	1979	2014	2,888
9.9000000%BPA PROGRAM	1979	2014	10,610
9.9000000%BPA PROGRAM	1979	2014	14,340
9.9000000%BPA PROGRAM	1979	2014	21,228
9.9000000%BPA PROGRAM	1988	2033	226
9.9000000%BPA PROGRAM	1988	2033	752
9.9000000%BPA PROGRAM	1988	2033	9,018
9.9000000%BPA PROGRAM	1988	2033	30,004

9.9000000%SUB-TOTAL

10.8500000%BPA PROGRAM	1983	2018	54
10.8500000%BPA PROGRAM	1983	2018	205
10.8500000%BPA PROGRAM	1983	2018	39,741

10.8500000%SUB-TOTAL

11.2500000%BPA PROGRAM	1985	2029	80
11.2500000%BPA PROGRAM	1985	2029	460
11.2500000%BPA PROGRAM	1985	2029	15,182
11.2500000%BPA PROGRAM	1985	2030	84,278

11.2500000%SUB-TOTAL

11.700000%BPA PROGRAM	1983	2018	40
11.700000%BPA PROGRAM	1983	2018	154
11.700000%BPA PROGRAM	1983	2018	29,806

11.700000%SUB-TOTAL

12.250000%BPA PROGRAM	1983	2018	1
12.250000%BPA PROGRAM	1983	2018	4
12.250000%BPA PROGRAM	1983	2018	35
12.250000%BPA PROGRAM	1983	2018	203
12.250000%BPA PROGRAM	1983	2018	814
12.250000%BPA PROGRAM	1983	2018	6,708
12.250000%BPA PROGRAM	1983	2018	37,235

12.250000%SUB-TOTAL

12.300000%BPA PROGRAM	1984	2019	24
12.300000%BPA PROGRAM	1984	2019	138
12.300000%BPA PROGRAM	1984	2019	4,555
12.300000%BPA PROGRAM	1984	2019	25,283

12.300000%SUB-TOTAL

13.000000%BPA PROGRAM	1980	2015	10
13.000000%BPA PROGRAM	1980	2015	21
13.000000%BPA PROGRAM	1980	2015	56
13.000000%BPA PROGRAM	1980	2015	616
13.000000%BPA PROGRAM	1980	2015	1,469
13.000000%BPA PROGRAM	1980	2015	1,707
13.000000%BPA PROGRAM	1980	2015	2,263
13.000000%BPA PROGRAM	1980	2015	4,253
13.000000%BPA PROGRAM	1980	2015	9,292
13.000000%BPA PROGRAM	1980	2015	10,806
13.000000%BPA PROGRAM	1980	2015	39,696
13.000000%BPA PROGRAM	1980	2015	44,811

13.000000%SUB-TOTAL

13.050000%BPA PROGRAM	1984	2019	48
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13.0500000%BPA PROGRAM	1984	2019	276
13.0500000%BPA PROGRAM	1984	2019	9,109
13.0500000%BPA PROGRAM	1984	2019	50,567

13.0500000%SUB-TOTAL

14.1500000%BPA PROGRAM	1982	2017	34
14.1500000%BPA PROGRAM	1982	2017	43
14.1500000%BPA PROGRAM	1982	2017	105
14.1500000%BPA PROGRAM	1982	2017	402
14.1500000%BPA PROGRAM	1982	2017	2,932
14.1500000%BPA PROGRAM	1982	2017	3,677
14.1500000%BPA PROGRAM	1982	2017	77,807

14.1500000%SUB-TOTAL

14.4000000%BPA PROGRAM	1982	2017	11
14.4000000%BPA PROGRAM	1982	2017	23
14.4000000%BPA PROGRAM	1982	2017	36
14.4000000%BPA PROGRAM	1982	2017	80
14.4000000%BPA PROGRAM	1982	2017	439
14.4000000%BPA PROGRAM	1982	2017	551
14.4000000%BPA PROGRAM	1982	2017	4,566
14.4000000%BPA PROGRAM	1982	2017	9,975
14.4000000%BPA PROGRAM	1982	2017	15,663
14.4000000%BPA PROGRAM	1982	2017	34,221
14.4000000%BPA PROGRAM	1982	2017	37,455
14.4000000%BPA PROGRAM	1982	2017	46,980

14.4000000%SUB-TOTAL

16.6000000%BPA PROGRAM	1981	2016	127
16.6000000%BPA PROGRAM	1981	2016	277
16.6000000%BPA PROGRAM	1981	2016	54,821
16.6000000%BPA PROGRAM	1981	2016	119,775

16.6000000%SUB-TOTAL

**BONNEVILLE POWER ADMINISTRATION***TRANSMISSION REPAYMENT STUDY**OCTOBER 1, 2003 - SEPTEMBER 30, 2005 COST EVALUATION PERIOD  
(\$000s)***STATEMENT D: SUMMARY**

Date Paid	Interest Paid	Premium Paid	Principal Paid
1998	286,620	37,789	196,917
1999	246,870	3,588	139,784
2000	232,975	3,469	114,610
2001	223,448	756	59,064
2002	219,363	3,996	131,600
2003	210,048	391	142,847
2004	224,962	1,512	154,223
2005	235,585		155,001
Total	1,879,872	51,500	1,094,046

*File = TransRC2004-Final.sf-Trans 04RC-Fin ,\$1.5mShft -rerun for StmtD- SINGLE PURPOSE*

## **EXPLANATORY NOTES FOR TABLE D-1**

### Historical period:

For the historic period, no attempt was made to arbitrarily identify actual interest income between Columns D and G; all interest income is shown in Column G.

### Cost evaluation and repayment periods:

Column B contains the gross interest, which, for FYs 2003-2005, can be found in Statement D on the Statement D: Summary, Interest Paid. The data for the repayment period can be found in the interest calculation table in the 2004 Final Rate Proposal Revenue Requirement Study Documentation, Chapter 10, TR-04-FS-BPA-01A, p. 134.

Column C contains the bond premiums, which, for FYs 2003-2005, can be found in Statement D on the Statement D: Summary, Premium Paid. The data for the repayment period can be found in the interest calculation table in the 2004 Final Rate Proposal Revenue Requirement Study Documentation, Chapter 10, TR-04-FS-BPA-01A, p. 134.

Column D contains the interest credit calculated on funds collected during each year for payments to Treasury at the end of that year. This interest credit calculation occurs in BPA's repayment program (labeled "Float") and is separate from the interest credit calculation on BPA's end of year cash balances. *See* 2004 Final Rate Proposal Revenue Requirement Study Documentation, TR-04-FS-BPA-01A, Chapter 1 ("Transmission Revenue Requirement Income Statement" table), and Chapter 4 ("Interest Income from Projected Cash Balances, Revenues From Current Rates", and ("Interest Income from Projected Cash Balances, Revenues From Proposed Rates" tables).

Column E is the subtotal of Columns B + C + D.

Column F contains AFUDC, which for FYs 2003-2005, can be found in the 2004 Final Rate Proposal Revenue Requirement Study Documentation, Chapter 2, TR-04-FS-BPA-01A, p. 9.

Column G contains the Capitalization Adjustment, the annual recognition of the reduction in principal that resulted from the implementation of the BPA Appropriations Refinancing Act. It is a non-cash component of interest expense.

Column H contains the Interest Credit on Cash Reserves, which can be found in the 2004 Final Rate Proposal Revenue Requirement Study Documentation, TR-04-FS-BPA-01A, Chapter 4. The calculation appears on p. 23.

Column I contains the annual amortization of capitalized bond premiums. When a bond issued to the U.S. Treasury is refinanced, any call premium resulting from early retirement of the original bond is capitalized and included in the principal of the new bond. The capitalized call premium is then amortized over the term of the new bond. The annual amortization is a non-cash component of interest expense.

Column J is the Net Interest Expense, computed as Columns F + G + H + I.

**Table D-1**  
**Detail of Net Federal Interest Expense**  
**Transmission**  
**FY 1998 - 2040**  
**(\\$ Thousands)**

(A) Fiscal Year	(B) Gross Interest	(C) Bond Premium	(D) Interest Credit (Repayment Study)	(E) AFUDC	(F) Subtotal (B+C+D+E)	(G) Capitalization Adjustment	(H) Interest Credit on Cash Reserves	(I) Amortization of Capitalized Bond Premiums		(J) Total Net Interest Expense
								Interest Credit on Cash Reserves	Capitalized Bond Premiums	
<u>Historical</u>										
1998	199,337	8,149		-3,971	203,515	-20,764	-11,736	3,007	174,022	
1999	189,547	3,590		-2,989	190,148	-20,764	0	4,190	173,574	
2000	186,007	0		-5,399	180,608	-19,719	-3	4,444	165,330	
2001	189,753	756		-8,915	181,594	-20,100	-4	3,914	165,404	
2002	194,703	6,013		-13,639	187,077	-19,684	-20,589	3,914	150,718	
<u>Cost Evaluation Period</u>										
2003	210,047	391	-8,297	-17,750	184,391	-19,786	-10,041	3,914	158,478	
<u>Rate Test Period</u>										
2004	224,962	1,512	-8,804	-24,493	193,177	-19,752	-11,179	3,914	166,160	
2005	235,585	0	-8,914	-23,500	203,171	-18,968	-11,365	3,451	176,289	
<u>Repayment Period</u>										
2006	238,654	-	-9,305	-23,500	205,849	-18,968	-11,365	3,451	178,967	
2007	236,000	-	-9,315	-23,500	203,185	-18,968	-11,365	3,451	176,303	
2008	232,542	-	-9,303	-23,500	199,740	-18,968	-11,365	3,451	172,858	
2009	229,903	-	-9,275	-23,500	197,128	-18,968	-11,365	3,451	170,246	
2010	226,758	-	-9,209	-23,500	194,050	-18,968	-11,365	3,451	167,168	
2011	223,877	-	-9,154	-23,500	191,223	-18,968	-11,365	3,451	164,341	
2012	221,479	-	-9,117	-23,500	188,862	-18,968	-11,365	3,451	161,980	
2013	217,838	-	-9,014	-23,500	185,324	-18,968	-11,365	3,451	158,442	
2014	214,153	3,185	-8,866	-23,500	184,972	-18,968	-11,365	3,451	158,090	
2015	211,554	9,295	-8,831	-23,500	188,517	-18,968	-11,365	3,451	161,635	
2016	208,779	6,475	-8,876	-23,500	182,879	-18,968	-11,365	3,451	155,997	
2017	206,669	-	-8,910	-23,500	174,259	-18,968	-11,365	3,451	147,377	
2018	205,718	8,610	-8,928	-23,500	181,900	-18,968	-11,365	3,451	155,018	
2019	203,483	8,620	-8,964	-23,500	179,639	-18,968	-11,365	3,451	152,757	
2020	201,367	9,021	-8,999	-23,500	177,889	-18,968	-11,365	3,451	151,007	
2021	199,387	9,598	-9,032	-23,500	176,454	-18,968	-11,365	3,451	149,572	
2022	197,533	9,914	-9,062	-23,500	174,885	-18,968	-11,365	3,451	148,003	
2023	195,804	5,036	-9,091	-23,500	168,249	-18,968	-11,365	3,451	141,367	
2024	195,160	10,144	-9,104	-23,500	172,700	-18,968	-11,365	3,451	145,818	
2025	193,706	10,334	-9,129	-23,500	171,412	-18,968	-11,365	3,451	144,530	
2026	192,347	10,591	-9,152	-23,500	170,286	-18,968	-11,365	3,451	143,404	
2027	191,076	10,782	-9,173	-23,500	169,185	-18,968	-11,365	3,451	142,303	
2028	189,881	5,310	-9,193	-23,500	162,498	-18,968	-11,365	3,451	135,616	
2029	189,754	8,319	-9,197	-23,500	165,377	-18,968	-11,365	3,451	138,495	
2030	188,770	10,863	-9,213	-23,500	166,921	-18,968	-11,365	3,451	140,039	
2031	187,773	10,988	-9,229	-23,500	166,032	-18,968	-11,365	3,451	139,150	
2032	186,798	6,151	-9,244	-23,500	160,205	-18,968	-11,365	3,451	133,323	
2033	185,877	5,560	-9,257	-23,500	158,679	-18,968	-11,365	3,451	131,797	
2034	184,664	836	-9,275	-23,500	152,725	-18,968	-11,365	3,451	125,843	
2035	183,314	10,632	-9,294	-23,500	161,152	-18,968	-11,365	3,451	134,270	
2036	182,162	10,749	-9,310	-23,500	160,101	-18,968	-11,365	3,451	133,219	
2037	180,945	5,298	-9,327	-23,500	153,416	-18,968	-11,365	3,451	126,534	
2038	179,359	0	-9,348	-23,500	146,511	-18,968	-11,365	3,451	119,629	
2039	177,374	10,393	-9,376	-23,500	154,890	-18,968	-11,365	3,451	128,008	
2040	175,768	10,564	-9,399	-23,500	153,434	-18,968	-11,365	3,451	126,552	
	8,666,167	227,678	-346,484	-923,156	7,624,205	-823,417	-462,692	151,533	6,489,629	

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**STATEMENT E**

## **STATEMENT E**

### **INTRODUCTION**

The requirements for Statement E are as follows:

- (5) Statement E - Operation, Maintenance, and Other Annual Expenses. Statement E must contain, for the last 5 years of the historic period and for the rate test period, as appropriate, a tabulation of actual and projected operation and maintenance, administrative and general, purchased power, wheeling, and any other expenses, other than interest. Statement E must:
- (i) List expenses for each individual source, if purchased power and other similar expenses are derived from more than one source;
  - (ii) Explain any significant deviations from trends in expenses or any extraordinary expenses; and
  - (iii) Explain the price level used for estimating expenses.

18 C.F.R. 300.11(b)(5).

Chapter 2 and Appendix B of the Revenue Requirement Study (TR-04-FS-BPA-01) provide background for the development of transmission spending levels included in rate test period revenue requirements.

**STATEMENT E**  
**TRANSMISSION**  
**OPERATION, MAINTENANCE AND OTHER ANNUAL EXPENSES**  
**(\$thousands)**

	HISTORICAL PERIOD					RATE TEST PERIOD		
	1998	1999	2000	2001	2002	2003	2004	2005
1 Transmission G&A	20,011	16,025	17,878	16,960	18,870	16,000	17,481	17,918
2 Transmission Marketing & Scheduling	11,420	13,847	13,156	16,002	23,829	23,200	23,742	24,335
3 Transmission System Operations	24,974	27,637	29,915	30,887	35,161	36,300	37,455	38,391
4 Transmission System Maintenance	61,318	64,522	65,157	67,052	73,675	73,700	79,996	81,996
5 Transmission System Development	9,758	11,328	11,911	12,208	21,950	16,700	18,854	19,325
6 Support Services	4,840	9,959	21,522	13,241	16,280	10,000	17,634	18,075
7 Transmission Business Line Services 1/	11,766	12,753	24,325	10,614	8,713	10,000	0	0
8 Environment	5,611	5,474	5,085	4,647	5,005	4,500	4,495	4,607
9 Corporate Expenses	34,677	27,185	32,131	43,851	52,722	53,801	61,498	63,978
10 Between Business Line Expenses	43,328	40,630	45,960	63,389	80,706	84,275	80,303	80,303
11 CSRS Pension Expense	1,100	2,050	3,000	4,000	27,600	17,600	15,450	13,250
12 Total Transmission System O&M	228,803	231,410	270,040	282,851	364,511	352,076	356,908	362,178

1/ Reimbursable program, offset by equivalent revenues; not included in forecasted revenues or expenses.

## **STATEMENT F**

***- NOT APPLICABLE -***

Bonneville Power Administration  
PO Box 3621 Portland, Oregon 97208-3621

DOE/BP-3527 MAY 2003 25

